



FIELD DAY

Please write legibly. Make certain you have filled out this form completely. Enclose required dupe sheets, photos, bonus claims.

Entries must be postmarked within 30 days of the contest and mailed to:

Field Day Entries
ARRL
225 Main St,
Newington CT 06111

1. Field Day Call Used W9RH Novice Call Used _____
2. Club or Group name (if class A) MILWAUKEE RADIO AMATEURS CLUB (if applicable)
3. Number of Participants 47 4. Number of Transmitters in simultaneous operation: 4

5. Entry Class (check only one)

- ☒ A. Club or non-club group portable
☐ B. 1 or 2 Person non-club portable
List Operators _____
☐ C. Mobile
☐ D. Home station commercial power
☐ E. Home station emergency power

6. Check all power sources used

- ☐ Generator
☒ Commercial mains
☒ Battery
☒ Other (list) _____

7. ARRL / RAC Section WISCONSIN

8. Total CW QSOs 71 x 2 = Total CW QSO Points 142
9. Total Digital QSOs - x 2 = Total Digital QSO Points -
10. Total Phone QSOs 494 x 1 = Total Phone QSO Points 494

12. Power Multiplier (select only one)

- ☐ 5 Watts or less and Battery = 5
☒ 150 Watts or less = 2
☐ Over 150 Watts = 1
(transfer to line 13)

11. Total QSO Points 636

13. Power Multiplier 2

14. Claimed Score 1272
(Line 11 x Line 13) (excluding bonus points)

15. Bonus Points claimed: Please check each block as appropriate and include required proof of points in your submission. All bonus points will be verified at ARRL HQ and added to your score.

- ☐ 100% Emergency Power
☒ Media Publicity
☒ Set-up in Public Place
☒ Information Booth
☐ Message to ARRL SM/SEC
☒ WIAW Field Day Message
☐ Formal Messages Handled (# _____)
☒ Satellite QSO Completed
☒ Natural Power QSOs completed
☐ Site visited by invited officials
☒ Non-traditional Demonstrations (list each):
A. APRS
B.
C.

Total Bonus Points Claimed:

16. "I/We have observed all competition rules as well as all regulars for Amateur Radio in my/our country. My/Our report is correct and true to the best of my/our knowledge. I/We agree to be bound by the decisions of the ARRL Awards Committee."

Date: JULY 21, 01 Call K9LCQ

Signature: Brian W. W. K9LCQ
(signature / call of Club President or Authorized Club Representative)

Address 111 HINMAN AVENUE

Address WAUKESHA, WI 53186

E-Mail Address: K9LCQ@ARRL.NET

You must complete the Band/Mode QSO breakdown box on the second page or reverse side of this form.

	CW		Digital		Phone	
	QSO	Power	QSO	Power	QSO	Power
160 M						
80 M						
40 M	35	100			137	
20 M	33	100			173	
15 M	1	100			67	
10 M					12	
6 M	1	50			31	50
2 M	1	50			68	50
1.25						
Other					5	35
Other						
Satellite					1	25
Novice						
Totals	71	CW		Digital	494	Phone
	Enter on Line 8 of Summary		Enter on Line 9 of Summary		Enter on Line 10 of Summary	

40 Meter CW

Dupe Sheet 1 of 15

Index	Station	Duplicate	Index	Station	Duplicate
1	K0EAR	-	53		
2	K0LV	-	54		
3	K0ZE	-	55		
4	K4STA	-	56		
5	K8PI	-	57		
6	K8SCH	-	58		
7	K9AVE	-	59		
8	KB8PMY	-	60		
9	KT4ZX	-	61		
10	N2IS	-	62		
11	N3FJP	-	63		
12	N8BC	-	64		
13	N8NBL	-	65		
14	N8NX	-	66		
15	NA4K	-	67		
16	VE3DC	-	68		
17	W0RR	-	69		
18	W0ZWY	-	70		
19	W2NYW	-	71		
20	W2RA	-	72		
21	W7IO	-	73		
22	W8FTW	-	74		
23	W8GK	-	75		
24	W8LX	-	76		
25	W8MAA	-	77		
26	W8MRM	-	78		
27	W8NJH	-	79		
28	W9AZ	-	80		
29	W9DUA	-	81		
30	W9LO	-	82		
31	W9MA	-	83		
32	W9VT	-	84		
33	WA7TQK	-	85		
34	WB0TPN	-	86		
35	WK8V	-	87		
36			88		
37			89		
38			90		
39			91		
40			92		
41			93		
42			94		
43			95		
44			96		
45			97		
46			98		
47			99		
48			100		
49					
50					
51					
52					

Contacts = 35
Duplicates = 0
Unique QSOs = 35

40 Meter Phone

Dupe Sheet 2 of 15

Index	Station	Duplicate	Index	Station	Duplicate
1	AA0PO	-	51	KT8J	-
2	AA4NJ	-	52	KY7M	-
3	AB0JW	-	53	N0PR	-
4	AB0MV	-	54	N0SF	-
5	AB5MU	-	55	N1FD	-
6	AD6GS	-	56	N2BJ	-
7	AE5B	-	57	N2ETJ	-
8	AK0C	-	58	N2MF	-
9	K0AXU	-	59	N3SH	-
10	K0AXU	Yes	60	N4AK	-
11	K0GB	-	61	N4NC	-
12	K0LIR	-	62	N4OX	-
13	K0SI	-	63	N5YGR	-
14	K0SX	-	64	N8BC	-
15	K0TR	-	65	N8IRC	-
16	K0USA	-	66	N9AU	-
17	K1MEJ	-	67	N9AW	-
18	K1OU	-	68	N9AW	Yes
19	K5AB	-	69	N9FH	-
20	K5FD	-	70	N9KS	-
21	K6BJ	-	71	N9NUQ	-
22	K8AJR	-	72	N9XWP	-
23	K8AO	-	73	NA8I	-
24	K8AYZ	-	74	NC2O	-
25	K8CCV	-	75	NM8T	-
26	K8DF	-	76	VA3DJL	-
27	K8DF	Yes	77	VE3BA	-
28	K8ES	-	78	VE3DC	-
29	K8ES	Yes	79	VE3IC	-
30	K8MAD	-	80	VE3LSC	-
31	K8MAD	Yes	81	VE3PES	-
32	K9AVE	-	82	VE3RCW	-
33	K9CU	-	83	VE3SWA	-
34	K9EAM	-	84	VE3XR	-
35	K9EAM	Yes	85	VE3YRA	-
36	K9HS	-	86	W03T	-
37	K9IJ	-	87	W0FD	-
38	K9MOT	-	88	W0GS	-
39	K9SH	-	89	W0JH	-
40	K9ZO	-	90	W0WAB	-
41	KA0CSL	-	91	W0YH	-
42	KA2EYH	-	92	W0ZVY	-
43	KB0PR	-	93	W1GO	-
44	KB0SMX	-	94	W1VR	-
45	KE0RR	-	95	W2GD	-
46	KE9DJ	-	96	W2GSA	-
47	KF8UI	-	97	W2LV	-
48	KI0MB	-	98	W2RDX	-
49	KT0R	-	99	W3AO	-
50	KT0R	Yes	100	W3SO	-

40 Meter Phone

Dupe Sheet 3 of 15

Index	Station	Duplicate	Index	Station	Duplicate
101	W3YA	-	153		
102	W3YA	Yes	154		
103	W3YA	Yes	155		
104	W4AM	-	156		
105	W4CA	-	157		
106	W4DW	-	158		
107	W4DW	Yes	159		
108	W4DW	Yes	160		
109	W4GA	-	161		
110	W4UD	-	162		
111	W6PT	-	163		
112	W6YX	-	164		
113	W7MOT	-	165		
114	W8BC	-	166		
115	W8BD	-	167		
116	W8CCI	-	168		
117	W8DZ	-	169		
118	W8GK	-	170		
119	W8GQN	-	171		
120	W8LAP	-	172		
121	W8MAA	-	173		
122	W8MFR	-	174		
123	W8MRM	-	175		
124	W8NP	-	176		
125	W8PI	-	177		
126	W8TCM	-	178		
127	W8TNO	-	179		
128	W8VPV	-	180		
129	W8VPV	Yes	181		
130	W8YEK	-	182		
131	W8YTD	-	183		
132	W9AA	-	184		
133	W9AIU	-	185		
134	W9AWE	-	186		
135	W9EOC	-	187		
136	W9JUD	-	188		
137	W9LO	-	189		
138	W9MQB	-	190		
139	W9TY	-	191		
140	W9UVI	-	192		
141	WA9GWM	-	193		
142	WB8LBJ	-	194		
143	WB8RC	-	195		
144	WB9EGZ	-	196		
145	WB9EGZ	Yes	197		
146	WC8VOA	-	198		
147	WD5C	-	199		
148	WN0G	-	200		
149	WR4F	-			
150	YA3PES	-			
151					
152					

Contacts = 150
 Duplicates = 13
 Unique QSOs = 137

20 Meter CW

Dupe Sheet 4 of 15

Index	Station	Duplicate	Index	Station	Duplicate
1	K0DE	-	53		
2	K0DE	Yes	54		
3	K4BOE	-	55		
4	K4CYP	-	56		
5	K5AH	-	57		
6	K5MDX	-	58		
7	K6AA	-	59		
8	K6OX	-	60		
9	N04Y	-	61		
10	N1OP	-	62		
11	N4BP	-	63		
12	N4IR	-	64		
13	N4TP	-	65		
14	N4YA	-	66		
15	N5WF	-	67		
16	VE6RCE	-	68		
17	W0CP	-	69		
18	W1NRG	-	70		
19	W2LU	-	71		
20	W2MU	-	72		
21	W4AC	-	73		
22	W4NG	-	74		
23	W5NC	-	75		
24	W5ROK	-	76		
25	W5SSV	-	77		
26	W6PIY	-	78		
27	W6PT	-	79		
28	W6YX	-	80		
29	W7ECA	-	81		
30	W7SP	-	82		
31	W9LO	-	83		
32	WA6BGS	-	84		
33	WD5GSL	-	85		
34	WV0L	-	86		
35			87		
36			88		
37			89		
38			90		
39			91		
40			92		
41			93		
42			94		
43			95		
44			96		
45			97		
46			98		
47			99		
48			100		
49					
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51					
52					

Contacts = 34
 Duplicates = 1
 Unique QSOs = 33

20 Meter Phone

Dupe Sheet 5 of 15

Index	Station	Duplicate	Index	Station	Duplicate
1	AA4S	-	51	K8DF	-
2	AB0S	-	52	K8JAC	-
3	AD1T	-	53	KD1MW	-
4	AD4MU	-	54	KD1MW	Yes
5	AD4MV	-	55	KD5DEW	-
6	AD4MV	Yes	56	KE4FMH	-
7	AD5AC	-	57	KE4HBF	-
8	AF4FC	-	58	KI0MB	-
9	AK5F	-	59	KW2D	-
10	K0AB	-	60	N1EV	-
11	K0PE	-	61	N1FD	-
12	K0RK	-	62	N2OB	-
13	K0SX	-	63	N2OB	Yes
14	K0USA	-	64	N2OB	Yes
15	K0ZU	-	65	N3JM	-
16	K1BKE	-	66	N3KR	-
17	K1BKE	Yes	67	N4EH	-
18	K1FS	-	68	N4IDX	-
19	K1MUJ	-	69	N4NC	-
20	K1MVJ	-	70	N4NG	-
21	K1PT	-	71	N4TP	-
22	K1RK	-	72	N4TP	Yes
23	K2EC	-	73	N4VU	-
24	K2EC	Yes	74	N5AT	-
25	K2EL	-	75	N5MW	-
26	K2RVW	-	76	N5QQ	-
27	K3DN	-	77	N6ME	-
28	K4BOY	-	78	N6OV	-
29	K4CPO	-	79	N7EEF	-
30	K4EAC	-	80	N7MJW	-
31	K4FAU	-	81	N7UW	-
32	K4OGB	-	82	N9DFD	-
33	K4WD	-	83	N9FH	-
34	K4WRC	-	84	NJ4M	-
35	K4YHB	-	85	NJ4M	Yes
36	K4YP	-	86	NJ4M	Yes
37	K5AB	-	87	NS1RA	-
38	K5FDX	-	88	NU4A	-
39	K5SLD	-	89	NV5M	-
40	K5TR	-	90	NX0G	-
41	K5TR	Yes	91	ON4ET	-
42	K5TR	Yes	92	VE1FO	-
43	K5YC	-	93	VE1FO	Yes
44	K6AA	-	94	VE7NSR	-
45	K6AA	Yes	95	VE7PLE	-
46	K6TZ	-	96	VO1AA	-
47	K7ERP	-	97	W0QE	-
48	K7HOG	-	98	W1AA	-
49	K7RDG	-	99	W1FN	-
50	K7RST	-	100	W1HP	-

20 Meter Phone

Dupe Sheet 6 of 15

Index	Station	Duplicate	Index	Station	Duplicate
101	W1JAA	-	153	W5LAR	-
102	W1MB	-	154	W5LFD	-
103	W1MOO	-	155	W5NC	-
104	W1MOO	Yes	156	W5PC	-
105	W1MX	-	157	W5PC	Yes
106	W1NVT	-	158	W5UR	-
107	W1OKY	-	159	W5YL	-
108	W1OP	-	160	W6CYX	-
109	W1TLC	-	161	W6GTR	-
110	W1TLC	Yes	162	W6KB	-
111	W1TOM	-	163	W6LA	-
112	W1VR	-	164	W6MK	-
113	W1WQM	-	165	W6MV	-
114	W2EF	-	166	W6PIY	-
115	W2EN	-	167	W6PT	-
116	W2GD	-	168	W6SW	-
117	W2LY	-	169	W6VIO	-
118	W3AI	-	170	W6YX	-
119	W3AO	-	171	W6YX	Yes
120	W3AO	Yes	172	W7DV	-
121	W3CD	-	173	W7ECA	-
122	W3EDC	-	174	W7GG	-
123	W3EM	-	175	W7HD	-
124	W3JG	-	176	W7IBM	-
125	W3JG	Yes	177	W7IBM	Yes
126	W3KWH	-	178	W7OM	-
127	W3MAD	-	179	W7VJ	-
128	W3VI	-	180	WA3RNB	-
129	W4AWM	-	181	WA4USN	-
130	W4BBB	-	182	WA5SNL	-
131	W4BFB	-	183	WA6P	-
132	W4BS	-	184	WACUE	-
133	W4CA	-	185	WADW	-
134	W4DCG	-	186	WARDX	-
135	W4DW	-	187	WB5ASP	-
136	W4FOA	-	188	WB5ASP	Yes
137	W4GGM	-	189	WB9OY	-
138	W4HDG	-	190	WC4DC	-
139	W4IY	-	191	WC5C	-
140	W4IZ	-	192	WD4WDW	-
141	W4LX	-	193	WW7Q	-
142	W4RZ	-	194	WX4MC	-
143	W4SKH	-	195		
144	W4TYZ	-	196		
145	W4UEA	-	197		
146	W4UG	-	198		
147	W4YK	-	199		
148	W5ABD	-	200		
149	W5AUU	-			
150	W5DC	-			
151	W5ECO	-			
152	W5GIX	-			

Contacts = 194

Duplicates = 21

Unique QSOs = 173

15 Meter CW

Dupe Sheet 7 of 15

Index	Station	Duplicate	Index	Station	Duplicate
1	W9LO	-	53		
2			54		
3			55		
4			56		
5			57		
6			58		
7			59		
8			60		
9			61		
10			62		
11			63		
12			64		
13			65		
14			66		
15			67		
16			68		
17			69		
18			70		
19			71		
20			72		
21			73		
22			74		
23			75		
24			76		
25			77		
26			78		
27			79		
28			80		
29			81		
30			82		
31			83		
32			84		
33			85		
34			86		
35			87		
36			88		
37			89		
38			90		
39			91		
40			92		
41			93		
42			94		
43			95		
44			96		
45			97		
46			98		
47			99		
48			100		
49					
50					
51					
52					

Contacts = 1
 Duplicates = 0
 Unique QSOs = 1

15 Meter Phone

Dupe Sheet 8 of 15

Index	Station	Duplicate	Index	Station	Duplicate
1	AF6DX	-	53	W4UEA	-
2	K2EC	-	54	W4UEA	Yes
3	K2YNT	-	55	W5BII	-
4	K4EAC	-	56	W5MRC	-
5	K4YHB	-	57	W5NC	-
6	K4Y TZ	-	58	W5NC	Yes
7	K4Y TZ	Yes	59	W5ZO	-
8	K5AB	-	60	W6EEN	-
9	K5MDX	-	61	W6KB	-
10	K5PN	-	62	W6PIY	-
11	K6BJ	-	63	W6PT	-
12	K6CPU	-	64	W6TJ	-
13	K6SOA	-	65	W6TO	-
14	K7CCH	-	66	W6VOM	-
15	KD1MW	-	67	W70	-
16	KH6EJ	-	68	W7GG	-
17	KH6J	-	69	W7JQ	-
18	KK0SS	-	70	W7SP	-
19	KL1V	-	71	W7VLG	-
20	KP4ES	-	72	WD4WDW	-
21	KP4ES	Yes	73		
22	KP4ES	Yes	74		
23	KP4FRD	-	75		
24	KP4FRP	-	76		
25	KU4AY	-	77		
26	N04Y	-	78		
27	N2OB	-	79		
28	N2SF	-	80		
29	N4NC	-	81		
30	N4OX	-	82		
31	N5II	-	83		
32	N5TT	-	84		
33	N5YA	-	85		
34	N6IIV	-	86		
35	N6VO	-	87		
36	N9FH	-	88		
37	NJ4M	-	89		
38	OZ8ABE	-	90		
39	SP9LJD	-	91		
40	VA6RR	-	92		
41	VE6ARC	-	93		
42	W0TWU	-	94		
43	W1JAA	-	95		
44	W1WKM	-	96		
45	W2ML	-	97		
46	W3AO	-	98		
47	W3RJ	-	99		
48	W4CWG	-	100		
49	W4IY	-			
50	W4IZ	-			
51	W4TE	-			
52	W4UAL	-			

Contacts = 72
 Duplicates = 5
 Unique QSOs = 67

10 Meter Phone

Dupe Sheet 9 of 15

Index	Station	Duplicate	Index	Station	Duplicate
1	K3EFF	-	53		
2	K4EAC	-	54		
3	K5HLA	-	55		
4	KA9WXN	-	56		
5	KC5KMI	-	57		
6	N9KTL	-	58		
7	PY2NY	-	59		
8	VP2E	-	60		
9	W4UEA	-	61		
10	W5AJ	-	62		
11	W5ROS	-	63		
12	WA5KMJ	-	64		
13			65		
14			66		
15			67		
16			68		
17			69		
18			70		
19			71		
20			72		
21			73		
22			74		
23			75		
24			76		
25			77		
26			78		
27			79		
28			80		
29			81		
30			82		
31			83		
32			84		
33			85		
34			86		
35			87		
36			88		
37			89		
38			90		
39			91		
40			92		
41			93		
42			94		
43			95		
44			96		
45			97		
46			98		
47			99		
48			100		
49					
50					
51					
52					

Contacts = 12
 Duplicates = 0
 Unique QSOs = 12

6 Meter CW

Dupe Sheet 10 of 15

Index	Station	Duplicate	Index	Station	Duplicate
1	N9FH	-	53		
2			54		
3			55		
4			56		
5			57		
6			58		
7			59		
8			60		
9			61		
10			62		
11			63		
12			64		
13			65		
14			66		
15			67		
16			68		
17			69		
18			70		
19			71		
20			72		
21			73		
22			74		
23			75		
24			76		
25			77		
26			78		
27			79		
28			80		
29			81		
30			82		
31			83		
32			84		
33			85		
34			86		
35			87		
36			88		
37			89		
38			90		
39			91		
40			92		
41			93		
42			94		
43			95		
44			96		
45			97		
46			98		
47			99		
48			100		
49					
50					
51					
52					

Contacts = 1
Duplicates = 0
Unique QSOs = 1

6 Meter Phone

Dupe Sheet 11 of 15

Index	Station	Duplicate	Index	Station	Duplicate
1	WA9GWM	-	53		
2	W9YPC	-	54		
3	W9VA	-	55		
4	W9PC	-	56		
5	W9MKS	-	57		
6	W9LO	-	58		
7	W9JSN	-	59		
8	W8ZHO	-	60		
9	W8VY	-	61		
10	W8USA	-	62		
11	W8DF	-	63		
12	W8DC	-	64		
13	N9XRO/m	-	65		
14	N9SVE	-	66		
15	N9RJV	-	67		
16	N9KS	-	68		
17	N9FH	-	69		
18	N9AW	-	70		
19	N9ARS	-	71		
20	N8OKR	-	72		
21	N4SC/8	-	73		
22	KG8I	-	74		
23	KB9VQM	-	75		
24	K9YHB	-	76		
25	K9RN	-	77		
26	K9MOY	-	78		
27	K9IZV	-	79		
28	K9AVE	-	80		
29	K8DXF	-	81		
30	K4YHB	-	82		
31	K0RK	-	83		
32			84		
33			85		
34			86		
35			87		
36			88		
37			89		
38			90		
39			91		
40			92		
41			93		
42			94		
43			95		
44			96		
45			97		
46			98		
47			99		
48			100		
49					
50					
51					
52					

Contacts = 31
 Duplicates = 0
 Unique QSOs = 31

2 Meter CW

Dupe Sheet 12 of 15

Index	Station	Duplicate	Index	Station	Duplicate
1	K9RN	-	53		
2			54		
3			55		
4			56		
5			57		
6			58		
7			59		
8			60		
9			61		
10			62		
11			63		
12			64		
13			65		
14			66		
15			67		
16			68		
17			69		
18			70		
19			71		
20			72		
21			73		
22			74		
23			75		
24			76		
25			77		
26			78		
27			79		
28			80		
29			81		
30			82		
31			83		
32			84		
33			85		
34			86		
35			87		
36			88		
37			89		
38			90		
39			91		
40			92		
41			93		
42			94		
43			95		
44			96		
45			97		
46			98		
47			99		
48			100		
49					
50					
51					
52					

Contacts = 1
Duplicates = 0
Unique QSOs = 1

2 Meter Phone

Dupe Sheet 13 of 15

Index	Station	Duplicate	Index	Station	Duplicate
1	AA9E	-	53	W8DF	-
2	K1VIT	-	54	W8MAI	-
3	K8MIL	-	55	W9AZ	-
4	K9AKG	-	56	W9BLS	-
5	K9DOE	-	57	W9BY	-
6	K9IJ	-	58	W9CYI	-
7	K9IKE	-	59	W9CYI	Yes
8	K9IZV	-	60	W9DUP	-
9	K9KHW	-	61	W9FK	-
10	K9LCQ	-	62	W9FK	Yes
11	K9OB	-	63	W9LO	-
12	K9ONI	-	64	W9LO	Yes
13	K9PC	-	65	W9NHE/M	-
14	K9RHH	-	66	W9PHJ	-
15	K9RN	-	67	W9RS	-
16	K9RN	Yes	68	W9SDH	-
17	K9RX	-	69	W9SR	-
18	K9YHB	-	70	W9WCF	-
19	K9YR	-	71	WA9FWD	-
20	KA1RB	-	72	WB9PCS	-
21	KA90A	-	73	WB9SPT	-
22	KA9LUW	-	74	WB9TVY	-
23	KB8GC	-	75		
24	KB9KBK	-	76		
25	KB9LDX	-	77		
26	KB9MHJ	-	78		
27	KB9PBM	-	79		
28	KB9QMH	-	80		
29	KB9VQZ	-	81		
30	KB9WNS	-	82		
31	KB9ZCY	-	83		
32	KB9ZUO	-	84		
33	KC8IWK	-	85		
34	KC8OTI	-	86		
35	KE9GM	-	87		
36	KF8DX	-	88		
37	KG8I	-	89		
38	KG9IY	-	90		
39	KG9IY	Yes	91		
40	KK9H	-	92		
41	KZ9G	-	93		
42	N8QOZ	-	94		
43	N8WJQ	-	95		
44	N9AKR	-	96		
45	N9FH	-	97		
46	N9FH	Yes	98		
47	N9GH	-	99		
48	N9ICG	-	100		
49	N9KS	-			
50	N9RJV	-			
51	N9RUZ	-			
52	W8BAE	-			

Contacts = 74
 Duplicates = 6
 Unique QSOs = 68

70cm Phone

Dupe Sheet 14 of 15

Index	Station	Duplicate	Index	Station	Duplicate
1	W9ZIH	-	53		
2	W9LO	-	54		
3	W9FRT	-	55		
4	W8MAI	-	56		
5	KE9GM	-	57		
6			58		
7			59		
8			60		
9			61		
10			62		
11			63		
12			64		
13			65		
14			66		
15			67		
16			68		
17			69		
18			70		
19			71		
20			72		
21			73		
22			74		
23			75		
24			76		
25			77		
26			78		
27			79		
28			80		
29			81		
30			82		
31			83		
32			84		
33			85		
34			86		
35			87		
36			88		
37			89		
38			90		
39			91		
40			92		
41			93		
42			94		
43			95		
44			96		
45			97		
46			98		
47			99		
48			100		
49					
50					
51					
52					

Contacts = 5
Duplicates = 0
Unique QSOs = 5

Satellite Phone

Dupe Sheet 15 of 15

Index	Station	Duplicate	Index	Station	Duplicate
1	K7EFA	-	53		
2			54		
3			55		
4			56		
5			57		
6			58		
7			59		
8			60		
9			61		
10			62		
11			63		
12			64		
13			65		
14			66		
15			67		
16			68		
17			69		
18			70		
19			71		
20			72		
21			73		
22			74		
23			75		
24			76		
25			77		
26			78		
27			79		
28			80		
29			81		
30			82		
31			83		
32			84		
33			85		
34			86		
35			87		
36			88		
37			89		
38			90		
39			91		
40			92		
41			93		
42			94		
43			95		
44			96		
45			97		
46			98		
47			99		
48			100		
49					
50					
51					
52					

Contacts = 1
Duplicates = 0
Unique QSOs = 1

Media Publicity

See news release attached

Set-up in Public Place

See location in news release

Information Both

Set-up in depot (red building solar station image)

W1AW Field Day Message

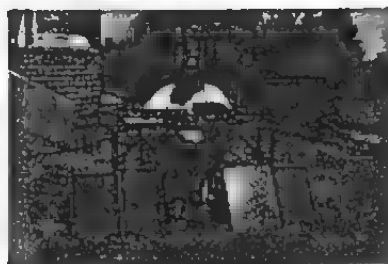
See copy attached

Satellite QSO

See Dupe log sheet

Natural Power QSOs

See Image below



Solar Station

Non-traditional Demonstration K9LCQ.

APRS station demonstration



Brian White – K9LCQ
Milwaukee Radio Amateurs' Club
P.O. Box 25707
Milwaukee WI
262 797-6722

FOR IMMEDIATE RELEASE

NEWS SUMMARY: SE Wisconsin Hams Gear Up to Set Long Distance Contact Records and Practice Emergency Communication Skills.

Milwaukee, June 23rd – 24th, 2001 - Hundreds of amateur radio operators will work 'round the clock this weekend to set up field radio communication stations, get on the air, and contact thousands of other operators in the US and Canada as part of participation in the American Radio Relay League's Field Day.

According to Dave DeFebo, President of the Milwaukee Radio Amateurs' Club, Field Day is the annual "shakedown run" for the ARRL's National Field Organization. "Field Day is a way for hams to get outdoors and have fun under some difficult conditions," (name) says. "But it's also a chance to fine-tune emergency communication skills. We use generators and battery power, and we set up antennas in the field. The idea is to put together a self-sufficient, working station quickly and begin making contacts."

The ARRL Field Organization has been effective in establishing emergency communications nets during floods, hurricanes, fires, earthquakes and other major disasters. Members of formal emergency organizations such as the Amateur Radio Emergency Service (ARES) and the Radio Amateur Communication Emergency Services (RACES) regularly participate. The League estimates that more than 35,000 hams participate in Field Day every year.

Milwaukee Radio Amateurs' Club Field Day operations will be at Pioneer Village (in the railroad depot), located north of Cedarburg northwest of Port Washington, on Hwy I, north of hwy 33, (adjacent to Hawthorne Hills Country Club), south of hwy 84, west of I-43. The public is invited. For more information contact the club – W9RH at 262 797-6722 voice answering machine

Operations begin around 9:00 AM on Saturday June 23rd (equipment setup) with actual contest operating beginning at 1:00 PM. The contest ends at 4:00 PM Sunday June 24th (though a station may only operate 24 consecutive hours). MRAC will shut down at 1:00 PM (24 hours).

SUMMARY: SE Wisconsin Amateur Radio operators to contact thousands of other hams throughout North America in the nation's largest ham radio on-air event.

WHO: Licensed Amateur Radio Operators in SE Wisconsin.

WHAT: Hams will set up and operate field radio stations to practice emergency communication skills while contacting other hams throughout the US and Canada over 24 hours. Objective is to see who can make the highest number of contacts during the contest period.

WHERE: Pioneer Village, located north of Cedarburg WI

WHEN: June 23th-24th 2001

WHY: Participation in the American Radio Relay League's Field Day. Amateur Radio operators practice communication skills under primitive conditions, with generator and battery-powered equipment and portable antennas. Special awards are given for "alternative" power sources such as solar, wind and methane. Field Day is a competition as well as a "trial run" for emergency communication skills used during disaster situations. Photo opportunities, interviews, activities of local participants in an important national amateur radio event. See all amateur radio communication modes in action, including voice, code, packet radio, teletype, and satellite.

CONTACT: MRAC – W9RH at 262 797-6722

W9RH@arrl.net,

147.045MHz+ 127.3pl

28.490Mhz SSB Fridays 8:30 p.m.

ARRL field day bulletin

The first field day of the new millennium offers great opportunities to explore different aspects of our hobby. Is your club gaining the bonus points for up to 3 demonstration modes this year? APRS, portable packet, ATV and other modes may spark interest in new areas of the hobby. Remember to use the newly designed field day summary sheet which are available from the ARRL contest web site in Adobe PDF format. Be sure to include dupe sheets by hand. Full log files are not a requirement for field day. Make sure that your entry includes copies of any messages that you send or receive for bonus points. This is WIAW

(Over)

We are always seeking interesting photographs that might be considered for use in the field day article in QST or on the ARRL web site.

Field day entries must be mailed to ARRL headquarters by July 24th. Good luck and may your group have their best field day ever. This is WIAW.

Field Day 2001

June 23 2001

	NAME	CALL	MEMBER	VISITOR
1	Brian White	K9LCCQ	X	
2	BURT STEINBRAEBER	N9VBZ		*
3	ADRIANA TREVINO	-		*
4	MATT PLANNING	KB9PRC	*	
5	MARK TELLIER	AB9CD	X	
6	BILL FULHART	W9WCF	*	
7	STAN ELIIS	-		X
8	GERALD WATSON	W9CGE	*	
9	ROGER ZAUN	W9LVV	*	
10	FRED A. CANN	W9WZF	*	
11	JOHN MERKL	WB9PSE	X	
12	Pancho Doneis	KA9OFA	X	
13	Bob Diehl	KB9VXN	X	
14	Ken Eggert	W9MOT	X	
15	Tom Schulte	KB9RLB	X	
16	Les Hunt	KB9QZQ	X	
17	JERRY THOMPSON	W9SFH	X	
18	Ted Stiller	W9TPD	X	
19	Will Lorenz	W9ZOL	X	
20	JACKIE BIE	HB9LDW	X	
21	MARK BYE	KB9LDX	X	
22	Jim Trombly	WB9LNU	X	
23	Norman Russell	KB9GQX	X	
24	Leroy Schuber	KB9ABD	X	
25	HOWARD PARKS	KB9VJS	X	
26	Sarah Parks	KB9ZNC	X	
27	Gene Froehlich		X	
28	Nancy Kettelman			X

Field Day 2001

	Name	Call	Member	Visitor
--	------	------	--------	---------

	AL REMMER			X
--	-----------	--	--	---

30	Tom Bond			X
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31	Rich Spurgeon			X
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32	Bryan Engel	K9RWE		X
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33	Thomas E. Grubbs			X
----	------------------	--	--	---

34	John W. Schroeder	KB9PBM		X
----	-------------------	--------	--	---

35	PATRICK MORETTI	KA1RB	✓	
----	-----------------	-------	---	--

36	DAVE DEFORD	WB9BWP	X	
----	-------------	--------	---	--

37	MIKE WIEDIEL	KB9QMH		X
----	--------------	--------	--	---

38	Chet Rainek	NGAAT	X	X
----	-------------	-------	---	---

39	Jamne Rainek			X
----	--------------	--	--	---

40	ENZO URBANSKI	KB9QZS	X	
----	---------------	--------	---	--

41	DAVE GRIFFIN	HB9PRR	X	
----	--------------	--------	---	--

42	JAMES KASTEN			X
----	--------------	--	--	---

43	Tom GOTTLEMAN		X	
----	---------------	--	---	--

44	Jerry Riedel	KA9AJF	X	
----	--------------	--------	---	--

45	Diane Pike			X
----	------------	--	--	---

46	Mike MALTAR			X
----	-------------	--	--	---

47	Kelly L PIKE			X
----	--------------	--	--	---

48				
----	--	--	--	--

49				
----	--	--	--	--

50				
----	--	--	--	--

51				
----	--	--	--	--

52				
----	--	--	--	--

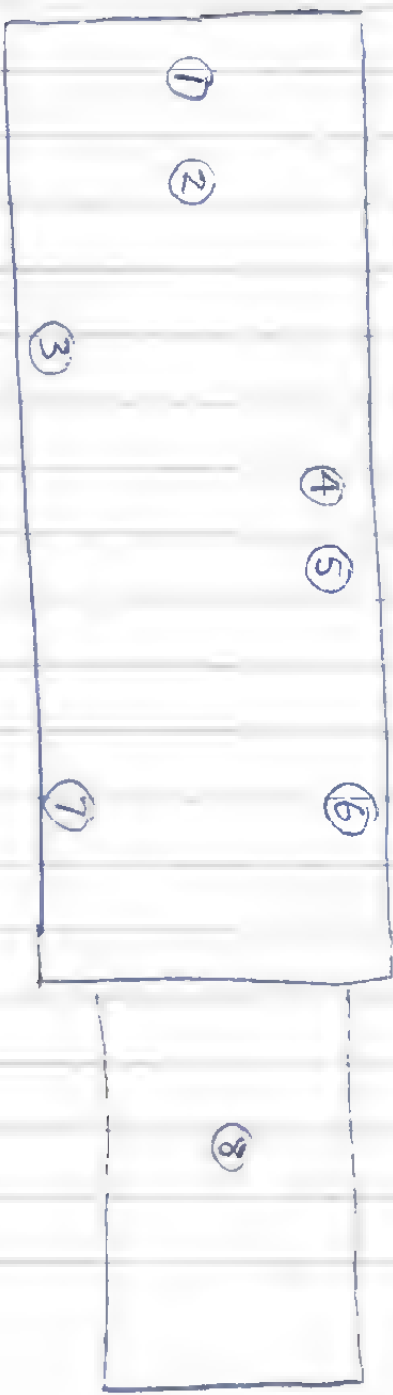
53				
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54				
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55				
----	--	--	--	--

56				
----	--	--	--	--

FID 2001



- ① 20
- ② VHF 6, 2, .7
- ③ 40, 80 PHONE SSB
- ④ QRP SOLAR
- ⑤ QRP SOLAR
- ⑥ 10, 15
- ⑦ 2m PHONE FM
- ⑧ 10, 15

4 A WIS

W9RHH

⑨ D161
APRS 2mhz

Jim WB9LNU

FIELD DAY

Log Sheet 1 of

Call Used W9RH Band/Mode 20 meter SSB

42

Freq	Mode	Date/Time UTC	Station Worked	Complete Exchange		Points	Notes
				Sent	Received		
20M ↓			VE1FO		Maritime		2A
			N4HM		N. FL		2A
			K1BKE		N.H.		4A
			W1TLC		Maine		2A
			W5YL		La.		1A
			KYSC		OK.		1A
			AD5AC		W. TX		1B
			NX0G		Colorado		2A
			W5LAR		MISS.		2A
			K4YP		N.C.		2A
			N2IOB		S. NJ		3A
			W1AA		E. MASS		3A
			W1MX		E. MASS		2A
			W4RYZ		N. FL		1A
			W5PC		N. TX		3A
			K5AB		N. TX		1A
			K0ZU		COL.		1A
			N7LW		WY		2A
			K0PE		COL.		4A
			K0AB		COL.		2A
			N7MNW		Mont.		2B
			K1PT		S. FL		1D
			K7EPR		ARZ.		2A
			ON4ET	Belgium	S/A + 10		HENRI
			K5TR		S. TX		2A
			W5NC		S. TX		3A
			W5ECO		S. TX		3A
			W1JAA		S.C.		1E
			W7ECA		MT.		1A
			VE7NSR		B.C.		2A
			W5UR		N.M.		2A
			K0SX		COL.		2A
			W4SSNL		S. TX		2A
			N5MW		W. TX		1E
			W0QE		COLO.		2B
			W6PT		SANDIEGO, CA		2A
			KE4HBF		N. FLA.		1D
			K7RDG		ARIZ.		3D
			N4TD		W. CENT. FLA.		2A
			WD4WDW	WALT DISNEY WORLD	N. FLA		3A
			W7IBM		ARIZ.		2A
			W1OKY		CONN.		2A

*

②

Call Used W9RH Band/Mode AO-27 2m up 440 down

[illegible]

63

Log Sheet of [illegible]

Log Sheet 4 of

Call Used W9RH Band/Mode 15m CW Solar Power C 50 watts

[illegible]

New W9MOT

15 marks

(5)

OP

W9MO,

1803	W9GG	4E	OREGON
1806	W1WKM	4E	NEW HAMPSHIRE
1813	KP4ES	2A	P. RICO
1827	N4OX	1B	N. FLA.
1832	K5AB	1A	N. TX
1833	K4EAR	6A	N. FLA
1839	NJ4M	2A	C. FLA
1841	W5MRC	3A	N. TX
1855	W04W DW	3A	N. FLA.
1900	N4HC	2A	N. CAROLINA
1926	W5NC	3A	S TX
1913	KP4FRD	2A	P. RICO
1923	W4UEA	4E	N FL
1931	KU4AY	3A	N FL
1945	W0TWU	3A	KS
2004	K4YTZ	1E	SC
2021	W4IZ	3A	N FL
2036	W6PT	2A	San Diego
2045	K6SOA	3A	Orange
2123	K6BJ	7A	Santa Clara
2125	KK0SS	1A	KS
2129	W6KB	3A	S Fran
2132	W6PIY	18A	San Joaquin Valley

FIELD DAY

Log Sheet 102 of

Call Used W9RH Band/Mode ~~20~~ 10 M SSB

[illegible]

FIELD DAY

Log Sheet 02 of

Call Used W9RH Band/Mode 2m Fm

23

[illegible]

FIELD DAY

Log Sheet 1 of Call Used W9RH Band/Mode 15 SSB

Freq	Mode	Date/Time UTC	Station Worked	Complete Exchange		Points	Notes
				Sent	Received		
15M	SSB	SAT.	K2EC		NY Long IS.		2A
			N04Y		N.C.		4A
			N2SF		E. NY		4A
			W6EEN		ORIG		2D
			W7SP		UTAH		4A
			K6CPK		S. CAL		1E
			KD1MN		R.I.		2A
			W2ML		N. NJ		1E
			K2YNT		N. NJ		2A
			N9FH		WI		2A
			N5YA		N. TX		3A
			W5ZD		W. TX		1B
			W3RJ		E. Penn		1B
			W4IV		Virginia		9A
			N2OB		S. NJ		3A
			KP4ES		P.R.		2A
			W3AO		Maryland		21A
			KH6V		Pacific		2A
			SP9LJD	5/9	POLAND		# 247
			OZ8ABE	5/9	DENMARK		
		Sunday	K5PN		MISS.		2A
			KP4FRD		Puerto Rico		2A
			W4UAL		Ala.		1A
			W4TE		Ca.		2A
			K4VHB		S. FL.		4A
			W5BII		Fla.		3A
			K5MDX		MISS		2A
			W4UEA		N. FL		4E
			N5TT		S. TX		4A
			* N5II		LA		3A
			* W1JAA		9C		1E

FIELD DAY

VHF/UHF

Log Sheet

④

2

of

2

Call Used W9RH

4A-WI

Band/Mode

50MHz/144MHz/432MHz (as noted)

WA9CBE

31 12

Freq	Mode	Date/Time UTC 06/24	Station Worked	Complete Exchange		Points	Notes
				Sent	Received		
432	SSB	2348	W9LO 5A WI	X	X		GARY W9DUR
144	"	0023	K9YR 1B IL	X	X		
"	"	0058	W8BAE 9A OH				
"	"	0059	K9IKE 1D WI				
"	"	0101	KB9ZHO 6A WI				
50	"	0118	W8ZHO 6A MI				
→ 50.13	QW	0154	N9FH 2A WI				
144.20	SSSB	0215 DUP.	K9RN 3A IL				
→ 144.20	CW	0215	K9RN 2A IL				
144	SSB	0230	K8MIL 1D MI				
144	"	0232	KB8GC 1A MI				
144	SSB	0241	WA9FWD 1D WI	John			
144	SSB	0247	W9FK 2A WI				
144	SSB	0307	K9RX DUPLICATE ?				
144	SSB	0314	KB9VQZ 1D WI				
144	SSB	0334	K9PC 4A IN				
144	SSB	0335	N9URZ 1E WI				
144	SSB	0359	K8BOT 1D MI	Alan -	K8DXF		
144	SSB	0409	W9BY 1E IN				
144	SSB	0416	KB9WNS 1E WI				
144	SSB	0440	K1VIT 1E W				4 OFF
50.13	SSB	1120	W9XRO/m 1C WI				4-1030 6/24
50.14	SSB	1128	W8DF 6A MI				
144	SSB	1204	K991Y 2A IL				
144	SSB	1210	W9RS 3A IL				EN62
432	SSB	1218	KE9GM 5A IN				
432	SSB	1255	W9ZIH 1A IL				
432	SSB	1257	W8MAI 3A MI				
50	SSB	1330	W9MKS 4A IL				
50	SSB	1340	K9AVE 5A IL				
50	SSB	1430	W9VA 1D IL				
50	SSB	1442	W8VY 6A MI				
50	SSB	1447	K8DXF 2A OH				
144	SSB	1457	KB9MHJ 2A IL				
50	SSB	1535	K4YHB 4A SoFla				
50	SSB	1547	KØRK WEST CENTRAL FL				
144	SSB	1551	W9FRT 1A IL				
"	"	1555	WB9SPT 1D IN				
"	"	1605	W9SR 1D IN				

*

Log Sheet 10 of

Log Sheet 10 of

35

[illegible]

FIELD DAY

Log Sheet 4 of

Call Used W9RH Band/Mode 20M/SSB

[illegible]

Log Sheet 12 of

Call Used W9RH Band/Mode 14.0 CW SOLAR POWER @ 50 WATTS

[illegible]

715-0

FIELD DAY

VHF/UHF

(13)

Log Sheet 1 of 2

Call Used W9RH 4A-WI

Band/Mode 50MHz/144MHz/432MHz as noted

WA9CGE

Freq	Mode	Date/Time UTC	Station Worked	Complete Exchange		Points	Notes
				Sent	Received		
50	SSB	1809	W9LO 5A WI	X	X		
1	"	1811	K9HOT 2A IL	X	X		
1	"	1812	K9FH 2A WI	X	X		
11	"	1814	W9YPC 5A IL	X	X		
11	"	1817	N9RTV 2A IL	X	X		
11	"	1820	K9IZV 3A WI	X	X		
11	"	1821	K9ONA 3A IL	X	X		
11	"	1827	W9FK 2A WI	X	X		
144	"	1838	N9FH 2A WI	X	X		
11	"	1839	N9KS 4A WI	W9GA Ken Boston			
11	"	1842	K9KHW 1D WI				
144	"	1848	K9RN 3A IL				
144	"	1850	W9LO 5A WI				
50	"	1858	W9DUP 6A IL				
50	"	1859	K9RN RN 3A IL				
50	"	1903	N9KS 4A IL				
50	"	1909	K9VQM 2A WI				
50	"	1914	K9BI 1C MI				
50	"	1916	N9SVE 1D WI				
50	"	1919	WBUSA 3A MI				
50		1928	N8OKR 3A MI				
50		1932	N1SC/B 1B MI	EN72			
50		1934	W8DC 2A MI				
50		1936	W9JSN 2A IL				
50		2006	K9YHB 2E IL				
50		2011	W9PC 2A IN				
50		2013	N9ARS 3A WI				
50		2015	N9AW 3A WI				
50		2015	WA9GWM 3A IL				
144		2027	W8DE 6A MI				
144		2038	N8WJQ 2E MI	1 Watt Ralford *			
144		2041	W9CY 1D WI	Bob Jimm KUS			
144		2049	K9GM 5A IN				
144		2052	K9AKG 3A WI				
144		2059	K9YHB 2E IL				
144		2100	WB9TV 1D WI			JIM	BROWN DEER
144		2103	N9GH 6A IL				
144		2104	K9QH 1D IL				
144		2106	N9RTV 2A IL				
144		2107	K9DOE 1D WI	Dave			
144		2150	N9AKR 2A IL				
144		2153	K9IZV 3A WI				
144		2202	W9AZ 4A IL				
144		2220	K9IY 2A IL				
144		2230	K9IT 2A IL				
144		2233	K9BDX 2A MI				
144		2238	W9NHEM 1D WI				
144		2241	W8HAI 3A MI				
144		2326	W9FH 1B WI	HERB			
144		2336	K9OB 1D WI				

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FIELD DAY

Log Sheet 1 of 3

Call Used W9RH Band/Mode 40 meter SSB

Freq	Mode	Date/Time UTC L23	Station Worked	Complete Exchange		Points	Notes
				Sent	Received		
40m	SSB	1838	W8LAP	YA WI	2A MICH		
		1846	W3PLBJ		2A MICH		
		1851	KPTR		3E WI		
		1858	N9NUQ		1D IL		
		1902	W8BD		1A OH		
		1905	W8UPV		5A OH		
		1911	W8TCM		6A MICH		
		1916	W8BC		7A OH		
		1922	K9AJ K9AJ		2A IL		
		1924	W8DZ		2A OH		
		1927	W9AA		4A IL		
		1936	K9HS		1D IL		
		1938	W8YEK		2A OH		
		1940	W8VPV /		5A OH		
		1943	K9EAM		3A WI		
		1944	K9AVE		5A IL		
		1948	K8AYL		4A MI		
		1952	K0LUA		6A NE		
		1946	KTOR		3E WI		
		20:02	K8UI		4A MI		
		20:06	N9FH		2A WI		
		20:09	K9CU		5A IL		
		20:11	W8JH		2A MN		
		20:14	N8IRC		1B IL		
		20:18	K8OSMX		6A NE		
		20:27	W8CCT		3A OH		
		20:28	K8EYH		1D IN		
		20:37	W9MQB		2A WI		
		20:40	W9AFH		5A IL		
		20:50	VE3RCW		3A ONTARIO		
		20:55	VE3LSC		1D Ontario		
		20:58	VE3SWA		5A Ontario		
		21:14	N8I		3A MI		
		21:16	W9LO		5A WI		
		21:26	N9XWP		4A IL		
		21:35	K9ZO		1D IL		
		21:44	K8MAD		2A OH		
		21:57	W8MAA		2A MI		
		22:07	W8D6		1A IA		
		22:20	K9SH		1E IN		
		22:22	K0AXU		2B KSIA MO		
		22:26	W8GQN		2A MI		
		22:51	K9MOT		2A IL		
		22:55	W9AWE		4A IL		
		23:01	K9DJ		5A IA		
		23:06	K8DZL VA3DZL		2B ONT		
		23:17	K8DPR		1D IA IA		
		23:19	W8VVA		2A OH		
		23:20	N2ETJ		1E WPA		
		23:30	K8PF		3A WV		



FIELD DAY

Log Sheet 2 of 3

Call Used W9RH Band/Mode 40 METERS

20 (15)

Freq	Mode	Date/Time UTC	Station Worked	Complete Exchange		Points	Notes
				Sent	Received		
		2333	WQ2VY		2B FA		
		2344	WB9EGZ		1E WI		
		2347	W8MFR		3A MF		
		2350	W9GWM		3A FL		
		2351	W8PI		2A MF		
		2352	W8NP		2A OH		
6-24		0001	W4GA		4A VA		
		0004	N9AW		3A WI		
		0008	K8ES		4A OH		
		0144	KTQR		3A WI		
		0145	W9UVF		3A FL		
		0146	N9AU		1A WI		
		0154	N9AW		3A WI		
		0158	N9KS		4A WI		
		0159	W2RDX		3A WNY		
		0206	K0AXL		1A MO		
		0212	W9UD		3A TN		
		0217	WB9EGZ		1E WI		
		0225	AB5MU		2A MS		
		0226	W9TY		1A FL		
		0235	W8TNO		3A MF		
		0242	K0GB		2A MO		
6-24		0440	K9EAM		3A WI		
			W3YA		3A W. Pa.		W9ZOL
KOTA			W2GD		4A N. NJ.		
			W4DW		8A NC		
			AB4W AB4W		4A MO.		
			AB4W K8MAD		2A OH.		
			K1LOU		1D OH.		
			K8ES		4A OH.		
			AB0MV		1A CO.		Ex-Mil/Wentree
			AB6CS		3A SV		
			W3YA		3A W. Pa.		
			K8AJR		2E OH.		
			K5AB		1A N. Tx		
			W4DW		8A NC		
			W2LV		4A NJ		
		0834	N4NC		2A NC		
		0837	N1ED		2A NH		
		0844	W2GSA		3A NJ		
		0851	K1OMB		1A MO		
		0857	K6BT		7A SCV		
		0901	W6YX		6E SCV		
		0903	N220		1E NC		
		0913	W1VR		1B NFL		
		0916	K1MEJ		5A CT		
		0920	KT8J		2A WV		
		0927	K0CSL		1D CO		
		0932	N4OX		1B NFL		
		0934	AE5B		4A WTX		

FIELD DAY

Log Sheet 3 of 3

Call Used W9RH

Band/Mode 40 Meter SSB

(16) 50

Freq	Mode	Date/Time UTC	Station Worked	Complete Exchange		Points	Notes
				Sent	Received		
		9:45	K0SX		2A CO		
		10:02	W0SC		2A AK AR		
		10:09	K5FD		2A WTX		
		10:12	W0YH		3A CO		
		10:17	W0FD		1A CO		
		10:19	N0SF		4A ENY		
		10:22	W3AO		2A MD		
		10:29	W4DN		8A NC		
		10:32	W6PT		2A SDG		
		10:41	W1GR		1D NH		
		10:51	N5YGR		2A AR		
		11:04	W0WAB		2A KS		
		11:16	W7MOT		2A AZ		
		11:28	KY7M		2A AZ		
		11:34	AA0PO		1C MO		
		11:36	N4AK		1A TN		
		11:44	N2MF		1D WNY		
		11:53	W4CA		4A VA		
		11:55	NM8T		6A WV		
		12:03	K8DF		3A WV		
		12:50	KE0RR		1B MN		
		12:55	AK0C		2A MD		
		12:59	N0PR		2A MD		
		13:16	AA4NJ		6A KY		
		13:26	W0BRC		1D SD		
		13:33	W4AM		3A IN		
		13:36	W8MRM		2A MI		
		13:54	VE3XR		5A ON		
		13:56	K8AO		1B MI		
		13:58	K0CCV		1D OH		
		13:59	K0SI		3A MO		
		14:04	N8BC		7A MO		
		14:16	VE3BA		2A ON		
		14:35	VE3PES		1D ON		
		14:46	W8GK		4A WV		
		14:49	VE3DC		4A ON		
		14:52	N2BJ		1D IL		
		14:55	W0GS		3A MO		
		15:02	W9EOC		2A IN		
		15:07	W9JUR		1A IN		
		15:09	W3YA		3A WPA		
		15:16	W03T		1D WPA		
		15:23	W350		1E WPA		
		15:28	K8CCV Y43PES		1D OH 1D ON		
		15:57	VE3YRA		5A ON		
		15:58	W0AF		2B KY		
		16:03	N3SH		2A WPA		
		16:18	K0LIR		2A MO		
		16:25	VE3IC		5A ON		
		16:31	W8VTD		8A OH		

FIELD DAY

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Log Sheet 1 of

Call Used 245-

Band/Mode 20m / 55B

Freq	Mode	Date/Time UTC	Station Worked	Complete Exchange		Points	Notes
				Sent	Received		
20	55B	1806	W1MB	4A WIS	2A RI		
		1812	W1MOO		5A VT		
237		1818	KD5DEW		2A NTX		
241		1822	AD4MV		1D NFL		
244		1824	K5FDX		5A MS		
256		1835	W5CR		3A NTX		
258		1839	W5SASP		1A MS		
282		1858	AA4S		2A NC		
296		1906	W3AO		21 MD		
303		1923	K2RVW		3A ENY		
305		1929	K8DF		3A WVA		
164		1929	W4UG		3A VA		
152		1935	K5TE		2A STX		
166		1938	W4RZ		3A NFL		
174		1941	W4CUE		7A AL		
188		1954	N5AF		1E AR		
204		2003	W1ZY		9A VA		
208		2004	K0RK		A WCF		
214		2008	N3JM		1E OK		
218		2010	W4BBB		4A TN		
225		2015	W5AUY		2A NTX		
181		2022	N5DQ		1D NTX		
153		2026	N5PC		3A NTX		
156		2028	K5TR		2A STX		
163		2031	W2EF		2A NNJ		
166		2034	W4IZ		3A NFL		
167		2037	W4SKH		3A TN		
169		2041	K1OMB		1A MO		
187		2046	W1VR		1B NFL		
191		2048	K4EAC		6A NFL		
212		2102	N4VU		2A GA		
216		2104	W4UEA		4E NFL		
219		2106	W4DCG		3A NC		
225		2119	N3KR		3A NNS		
234		2123	N1EV		3A CT		
235		2128	W1NBO		5A VT		
241		2132	AD4MV		1D NFL		
257		2138	W5SASP		1A MS		
155		2324	W3EM		7A PA		
159		2333	W3AI		5A PA		
165		2338	ADIT		3A NH		
		2245	N4TP		2A WCF		
		2250	W1NVT		2A VT		
		2253	N1FD		24A HH		
		2254	W4DW		8A NC		
		2255	W1OP		2A RI		
		2259	K2EC		2A NLI		
		2301	W3VI		2A WPA		
		2302	W1TLC		2A ME		
		2304	W2RDX		3A WNY		

FIELD DAY

Log Sheet 2 of

Call Used W9PH

Band/Mode 20 m/SSB

(18)

Freq	Mode	Date/Time UTC 6/24	Station Worked	Complete Exchange		Points	Notes
				Sent	Received		
179	SSB	0058	AK5F	4A W1	3A SFX		
183		105	W5AE		1A SFX		
224		107	K5SLD		2A 11TX		
232		111	W5LFD		1A NTX		
238		121	K2EC		2A NL1		
297		142	AF6DX		3A SD6		
297		158	W6TJ		3A SD6		
295		210	W5NC		5A-SFX		
243		216	W6TO		2A-SJV		
253		220	K4YT2		1A SC		
254		225	W4CW6		1A-SC		
262		235	W7O		3A-OR		
392		340	KP4ES		2A-PR		
385		344	W7JQ		4A-WWA		
400		346	K7CH		4A-OR		
383		349	W7VLL		2A-OR		
374		404	N611V		1A-SJV		
369		408	N6OV		2A-OR6		
356		411	VE6ARC		2A-AB		
350		414	W6VOM		2A-EB		
194		424	K61V		1A-PR		
316		425	VA6RR		1A-BC		
311		435	KH6EJ		2A-PAC		
153		628	K1MUJ		5A-CT		
163		632	VE7PCE		3A-13C		
178		636	NJ4M		2A-WCF		
191		703	NTEER		3A-EWA		
214		735	K2EC		-NCE		
202		711	W3CD		1D-WPA		
203		720	W7DV		1D-OR		
212		727	W71BN		2A-AR		
216		739	N6OV		3A-OR		
221		745	K7HOG		3A-OR		
224		746	W7HD		1D-AR2		
228		747	W6LA		2A-SB		
225		755	W4X4MC		2A-SF		
237		812	W2GD		4A-NNT		
241		807	W4YK		3A-ALC		
238		818	W3KWH		3E-WP		
2449		910	AD4MV		1D-NFL		
2521		913	KD1MW		2A-RI		
2599		916	W4BFB		3A-NC		
2678		917	N2OB		3A-SNS		
2843		927	W890Y		1B-SPG		
2870		930	W6KB		3A-SF		
2909		939	K6TZ		3A-SB		
2936		936	W6YX		6E-SCV		
2989		940	W5GIX		3A-LA		
3129		947	KE4FMN		4A-NF		
3173		949	W6CYX		3A-SCV		

FIELD DAY

Log Sheet 3 of

Call Used W9RH

Band/Mode 20M SSB

(19)

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Freq	Mode	Date/Time UTC 6/24	Station Worked	Complete Exchange		Points	Notes
				Sent	Received		
3318	SSB	957	NGME		3AORG		
3399		954	N4IDX		4A-AL		
3181		957	W6GTR		4A-ORG		
2827		1007	WAGP		1A-LAX		
2679		1012	K6AA		6A-LAX		
2498		1021	N4NC		2A-NC		
2348		1023	W4BS		3A-TN		
2220		1026	W4HUSN		2A-SC		
2128		1032	W6MV		2A-SB		
1960		1036	W6KH		1B-SDG		
187		1049	W4FOA		2A-GA		
191		1053	W6PIY		118A SCV		
209		1102	K4WRC		2A-SFL		
243		1024	NJ4M		12A WC/R		
237		1133	W4LX		5A-SFL		
201		1140	K4FAU		3A-SFL		
342		1151	N9FH		2A-WIS		
343		1158	N2OB		3A-SNJ		
339		1201	K1FS		3A-ME		
325		1214	K4BOY		2A WC/R		
318		1216	W5ABD		1A-LA		
312		0020	VE1FO		2A-MAR		DUP
305		1305	W4CA		4A-VA		
155		1308	WW7Q		2A-NV		
157		1310	NS1RA		3A-EME		
160		1313	VO1AA		2A-NL		
168		1320	W04DC		4A-TN		
72		1325	KW2D		2A-NLI		
173		1328	N4EH		7A-NFL		
181		1335	AF4FC		2A-TN		
191		1340	W4HOG		3A-NC		
195		1342	W4AWM		1B-VA		
196		1347	W4GGM		4A-TN		
200		1350	K3DN		5A-EPA		
202		1355	W7GG		4E-OR		
204		1356	K1BKE		4A-NH		
205		1358	W, FN		4A-NH		
234		409	W1TOM		8A-WMA		
257		1403	W3EDC		3A-EPA		
209		1435	K1MUJ		5A-CT		
219		1440	W1WQM		4A-NH		
223		1442	W3AO		21A-MD		
154		1449	K1RK		2A-EMA		
160		1453	K4WD		2A-SC		
160		1454	K4YHB		4A-SFL		
164		1457	W1HP		2A-EMA		
167		1459	A00S		1D-KS		
170		150	W3RNB		1A-MDC		
174		1506	NW4A		7D-AL		
190		1510	W2LY		4A-NNJ		

Field Day 2001

Dear Field Day Participants:

Tempus Fugit. It is hard to fathom that Latin proverb. But when you look at the calendar and see the year 2001, you start to realize the truth behind it. To many it will only seem like last week that we were participating in the annual summertime Amateur Radio phenomenon known as Field Day. Something that seemed far away when we saw Stanley Kubrick's masterpiece movie *2001: A Space Odyssey* those many years ago now is here. The imaginative ideas behind the Hal 9000 Super Computer of the movie or reaching out deep into the heavens are reality.

The strength in Field Day does not lay in the score that you post or the number of transmitters your put on the air: it lies in the number of operators who actually participate and gain valuable operating experience. You should complete a contact with any transmitter you claim. Don't add transmitters just so your group can be in a class to "set a record." Add operators first, then add transmitter opportunities for those learning the hobby can be successful in completing QSOs for Field Day.

One frequently asked Field Day question since December 1999 is "what is the ARRL going to do about the Novice / Tech station." **For Field Day 2001, there is no change in the rules applicable to the Novice / Tech Plus station.** We are looking at ways to achieve the purposes of this station within the new license structures. Several ideas are being considered in this respect. If you have a unique idea, let us know. This will be the last year the Novice / Tech Plus station operates under the current guidelines.

The Demonstration Mode Bonus Category proved itself to be very popular and a successful addition to Field Day. This year, the bonus has been expanded to allow up to **3 demonstration modes, each for a 100 point Bonus Credit.** Remember that this "non-traditional" bonus category may not include modes for which regular QSO credit is already given, with one exception. Many groups have expressed a desire to include packet into this category. **Your group may use packet as a demonstration mode for the bonus if you set-up and demonstrate a portable packet network. You must set up a portable digipeater to claim this credit. You may not use an already existing packet network and claim this bonus credit.**

Traffic handling is an important part of Field Day. We have amended the Traffic Handling Bonus for 2001. You may now claim **10 points per message, up to 100 points maximum for every message originated, relayed or received and delivered.** In the past, this bonus was only available for messages received and relayed. **You may not include the message your group originates to the Section Manager or Section Emergency Coordinator in this total, since it already receives a separate bonus.**

One of the biggest motivations behind Field Day is to show the public and public officials what we can do. **Make certain that you contact your elected governmental officials and representatives of agencies that Amateur Radio can serve in times of emergency in your area.** If one of your special invited guests visits your set-up, you earn an additional 100-point bonus.

While the ARRL has adopted a new standard log file submission format for its contests, keep in mind that for Field Day, you submit dupe sheets only, not log files. **You do not have to submit Cabrillo log files for your Field Day entry.** Do make certain, however that you use the new 2001 Field Day Submission Summary Sheet (found in this information packet and on line at www.arrl.org/contests/forms). When you send in your submission, remember to include a completely filled out summary sheet, dupe sheets by band and mode, and documentation to support your claims for bonus points. And please include photographs. As we expand our presence on the ARRL Web, we hope to begin using more Field Day group photographs on-line. Please remember that we are unable to return any photographs that we can not use.

Field Day 2001 kicks off at 1800 UTC on June 23 and runs until 2100 UTC June 24. With apologies to the author Arthur C. Clarke and movie maker Stanley Kubrick, **Good Luck in making Field Day 2001: your first great Ham Radio Odyssey of the Third Millennium! 73...**

Dan Henderson, N1ND
ARRL Contest Branch Manager

Field Day 2001 Rules

1. Eligibility: Field Day is open to all amateurs in the areas covered by the ARRL/RAC Field Organizations. DX stations may be contacted for credit, but are not eligible to compete.

2. Object: To work as many stations as possible on any and all amateur bands (excluding the 30, 17, and 12-meter bands) and in doing so to learn to operate in abnormal situations in less than optimal conditions. A premium is placed on developing skills to meet the challenges of emergency preparedness as well as to acquaint the general public with the capabilities of Amateur Radio.

3. Date and Time Period: Field Day is always the fourth full weekend of June, beginning at 1800 UTC Saturday and ending at 2100 UTC Sunday. **Field Day 2001 will be held June 23-24, 2001.**

3.1. Class A and B (see below) stations that do not begin setting up until 1800 UTC on Saturday may operate the entire Field Day period.

3.2. Stations who begin setting up before 1800 UTC Saturday may work only 24 consecutive hours, commencing when on-the-air operations begin.

3.3. No Class A or B station may begin their set-up earlier than 1800 UTC on the Friday preceding the contest period.

4. Entry Categories: Field Day entries are classified according to the maximum number of simultaneously transmitted signals, followed by a designator of the nature of their individual or group participation. Below 30 MHz, once a transmitter is used for a contact on a band, it must remain on that band for at least 15 minutes. During the period, the transmitter is considered to be transmitting, whether it is or not, for the purpose of determining transmitter classification. Switching devices are prohibited.

4.1. (Class A) Club / non-club portable: Club groups (or a non-club group with three or more licensed amateurs) set up specifically for Field Day. Such stations must be located in places that are not regular station locations and must not use facilities installed for permanent station use, or use any structure installed permanently for Field Day use. Stations must operate under one callsign (except if a dedicated Novice / Technician Plus+ station is allowed, it must be operated under a callsign as provided later in these rules), and under the control of a single licensee or trustee for the entry. All equipment (including antennas) must lie within a circle whose diameter does not exceed 300 meters (1000 feet). All contacts must be made with transmitter(s) and receiver(s) operating independent of commercial power mains. Entrants whom for any reason operate a transmitter or receiver from a commercial main for one or more contacts will be listed separately.

4.1.1. Any Class A group whose entry classification is two or more transmitters may also operate one dedicated Novice / Technician Plus operating position without changing its basic entry category. This station must be operated under a callsign issued to a Novice / Technician Plus operator and may only make contacts within the Novice / Technician Plus H.F. sub-bands. It must abide by Novice / Technician Plus power and mode restrictions. This station may only be operated by Novice / Technician Plus licensees. For Field Day purposes only, any Canadian Amateur HF licensee who has been licensed for six months or less prior to Field Day, shall be considered a "Novice" to provide a means for Canadian Field Day Class A stations to employ this rule. This station does not qualify for a 100-point bonus as an additional transmitter.

4.1.2. Any Class A group whose entry category is two or more transmitters may also operate one additional transmitter if it operates exclusively on any bands or combination of bands above 50 MHz (VHF/UHF) without changing its basic entry classification. This station does not qualify for a 100-point bonus as an additional transmitter. This station may be operated for the entire Field Day period for the club and all contacts count for QSO credit.

4.2. (Class A - Battery) Club / non-club portable: Club groups (or non-club groups with three or more licensed amateurs) set up specifically for Field Day, all contacts must be made using an output power of 5 Watts or less and the power source must be something other than commercial power mains or motor-driven generator (e.g.: batteries, solar cells, water-driven generator). Other provisions are the same for regular Class A.

4.3. (Class B) One or two person portable: Non-club stations set up and operated for Field Day purposes by no more than two licensed amateurs. Other provisions are the same for Class A. One and two person Class B entries will be listed separately.

4.4. (Class B - Battery) One or two person portable: Non-club stations set up and operated by no more than two licensed amateurs. All contacts must be made using an output power of 5 Watts or less and the power source must be something other than commercial mains or motor-driven generator. Other provisions are the same as Class A. One and two person

Class B - Battery entries will be listed separately.

4.5. (Class C) Mobile: Stations in vehicles capable of operating while in motion and normally operated in this manner. This includes maritime and aeronautical mobile.

4.6. (Class D) Home stations: Stations operating from permanent or licensed station locations using commercial power. Class D stations may only count contacts made with Class A, B, C and E Field Day stations.

4.7. (Class E) Home stations - Emergency power: Same as class D, but using emergency power for transmitters and receivers. May work stations in Class A, B, C, D, and E.

5. Exchange: Stations in ARRL / RAC sections will exchange their Field Day operating Class and ARRL / RAC section. Example: a three transmitter class A station in Connecticut which also has a Novice/Tech station and one VHF station would send "3A CT" on CW or "3 Alpha Connecticut" on phone. Foreign stations send RS(T) and QTH.

6. Miscellaneous Rules

6.1. A person who participates by making a QSO from a Field Day operation using one call sign may not subsequently work that station from which he participated for QSO credit using a different callsign.

6.2. A station used to contact one or more Field Day stations may not subsequently be used under any other callsign to participate in Field Day. Family stations are exempt provided the subsequent callsign used is issued to and used by a different family member.

6.3. Each Phone, CW and Digital (non-CW) segment is considered a separate band. A station may only be worked once per band.

6.4. All voice contacts are equivalent.

6.5. All non-CW digital contacts are equivalent.

6.6. Cross-band contacts are not permitted.

6.7. The use of more than one transmitter at the same time on a single band-mode is prohibited.

Exception: a dedicated Novice/Technician Plus station may operate in any Novice / Technician Plus sub-band.

6.8. No repeater contacts are allowed.

6.9. Batteries may be charged while in use. Except for class D stations the batteries must be charged from a power source other than commercial power mains.

7. Scoring: Scores are based on the total number of QSO points times the power multiplier corresponding to the highest power level under which any contact was made during the Field Day period plus the bonus points.

7.1. QSO Points

7.1.1. Phone contacts count one point each.

7.1.2. CW contacts count two points each.

7.1.3. Digital contacts count two points each.

7.2. Power multipliers: The power multiplier that applies is determined by the highest power output of any of the transmitters used during the Field Day operation.

7.2.1. If all contacts are made using a power of 5 Watts or less and if a power source other than commercial mains or motor-driven generator is used (batteries, solar cells, water-driven generator) the power multiplier is 5.

7.2.2. If all contacts are made using a power of 5 Watts or less, but the power source is from a commercial main or from a motor-driven generator, the power multiplier is 2.

7.2.3. If any or all contacts are made using an output power up to 150 Watts or less, the power multiplier is 2.

7.2.4. If any or all contacts are made using an output power greater than 150 Watts, the power multiplier is one.

7.2.5. Only one power multiplier may be applied to the score of any entry.

7.3. Bonus Points: The following bonus points will be added to the score, after the multiplier is applied, to determine the final Field Day score. Only Class A and B stations are eligible for bonus points. Bonus points will only be applied if the claim is made on the summary sheet and any proof required is enclosed with the entry.

7.3.1. 100% Emergency Power: 100 points per transmitter classification if all contacts are made only using an emergency power source. Free transmitters that do not count towards the group's total do not qualify for bonus point credit. All transmitting equipment at the site must operate from a power source completely independent of the commercial power mains to qualify. (Example: a club operating 3 transmitters plus a Novice station and using 100% emergency power receives 300 bonus points.)

7.3.2. Media Publicity: 100 bonus points may be earned for attempting to obtain publicity from the local media. A copy of the press release, or a copy of the actual media publicity received (newspaper article, etc) must be submitted to claim the points.

7.3.3. Public Location: 100 bonus points for physically locating the Field Day operation in a public place (shopping center, community park, school campus). The intent is for amateur radio to be on display to the public.

7.3.4. Public Information Table: 100 bonus points for a Public Information Table at the Field Day site. The purpose is to make appropriate handouts and information available to the visiting public at the site. Submission of a visitor's log, copies of club handouts or photos are sufficient evidence for claiming this bonus.

7.3.5. Message Origination to Section Manager: 100 bonus points for origination of a National Traffic System (NTS) style formal message to the ARRL Section Manager or Section Emergency Coordinator by your group from its site. You should include the club name, number of participants, Field Day location, and number of ARES operators involved with your station. The message must be transmitted during the Field Day period and a fully serviced copy of it must be included in your submission, in standard ARRL NTS format, or no credit will be given.

7.3.6. Message Handling: 10 points for each formal NTS style originated, relayed or received and delivered during the Field Day period, up to a maximum of 100 points (ten messages). Properly serviced copies of each message must be included with the Field Day report.

7.3.7. Satellite QSO: 100 bonus points for successfully completing at least one QSO via an amateur radio satellite during the Field Day period. Under the "General Rules for All ARRL Contests" (rule 3.7.2.), the no-repeater QSO stipulation is waived for satellite QSOs. Groups are allowed one dedicated satellite transmitter station without increasing their entry category. Satellite QSOs also count for regular QSO credit. Show them listed separately on the summary sheet as a separate "band."

7.3.8. Alternate Power: 100 bonus points for Field Day groups making a minimum of five QSOs without using power from commercial mains or a petroleum driven generator. This means an "alternate" energy source of power, such as solar, wind, methane or water. This includes batteries charged by natural means (not dry cells). The natural power transmitter counts as an additional transmitter. If you do not wish to it to increase your operating category, you should take one of your other transmitters off the air while the natural power transmitter is in operation. A separate list of natural power QSOs should be submitted with your entry.

7.3.9. W1AW Bulletin: 100 bonus points for copying the special Field Day bulletin transmitted by W1AW during its operating schedule during the Field Day weekend (listed in this rules announcement). An accurate copy of the message is required to be included in your Field Day submission. (Note: The Field Day bulletin must be copied via amateur radio. It will not be included in Internet bulletins sent out from Headquarters and will not be posted to Internet BBS sites.)

7.3.10. Non-Traditional Mode Demonstrations: A maximum of 300 bonus points (100 points for each demonstration up to three) for setting up a demonstration of a non-traditional mode of amateur radio communications. This includes modes such as APRS, ATV, and SSTV. This bonus is not available for demonstration of a mode for which regular QSO credit is available.

7.3.10.1. A portable packet system may be included as one of the demonstration modes. This system must include a temporary, portable node separate from the existing packet infrastructure of your area.

7.3.11. Site Visitation. A 100 point bonus may be claimed if your Field Day sight is visited by an elected government official or representative of an agency served by ARES in your local community (Red Cross, Salvation Army, local Emergency Management, law enforcement, etc) as the result of an invitation issued by your group.

8. Reporting:

8.1. Entries must be postmarked or emailed by **July 24, 2001**. No late entries can be accepted. A complete entry consists of:

8.1.1. An official ARRL summary sheet (or reasonable facsimile) which is completely and accurately filled out;

8.1.2. A list of stations worked by band/mode during the Field Day period (dupe sheet or an alpha/numeric list sorted by band and mode);

8.1.3. Proofs of bonus points claimed.

8.2. Complete station logs are not required for submission. The club should maintain log files for one year in case they are requested by ARRL HQ.

8.2.1. Cabrillo format log files are not required for Field Day entries.

8.3. Electronic submissions should be emailed to: FieldDay@arrl.org and should include, as attachments to the email, the required summary sheet and dupe files as well as document files and/or jpg/gif files of any bonus points claimed.

8.4. Paper submissions should be mailed to: Field Day Entry, ARRL, 225 Main St, Newington, CT 06111

9. Miscellaneous

9.1. The list of bulletin times for W1AW is included in this announcement. While W1AW does not have regular bulletins on weekends, the Field Day message will be sent according to the schedule included with this announcement.

9.2. See "General Rules for All ARRL Contests," "General Rules for All ARRL Contests on Bands Below 30 MHz," and "General Rules for All ARRL Contests on Bands Above 50 MHz" (November 2000 issue of QST) for additional rules.

9.3. Remember that the national simplex FM calling frequency of 146.52 MHz should not be used for making Field Day contacts.

9.4. The complete Field Day information package may be obtained by:

9.4.1. Sending a SASE with 4 units of postage to: Field Day Information Package, ARRL, 225 Main St, Newington, CT 06111;

9.4.2. By downloading from the Contest Branch home page at:
<http://www.arrl.org/contests/forms>

9.5. For additional Field Day information or questions contact: n1nd@arrl.org or phone (860) 594-0232.

W1AW FIELD DAY BULLETIN SCHEDULE

Day	Mode	Pacific	Mountain	Central	Eastern
FRIDAY	CW	5:00 PM	6:00 PM	7:00 PM	8:00 PM
	Teleprinter	6:00 PM	7:00 PM	8:00 PM	9:00 PM
	Phone	6:45 PM	7:45 PM	8:45 PM	9:45 PM
	CW	8:00 PM	9:00 PM	10:00 PM	11:00 PM
SATURDAY	CW	7:00 AM	8:00 AM	9:00 AM	10:00 AM
	Phone	8:00 AM	9:00 AM	10:00 AM	11:00 AM
	CW	5:00 PM	6:00 PM	7:00 PM	8:00 PM
	Teleprinter	6:00 PM	7:00 PM	8:00 PM	9:00 PM
	Phone	6:45 PM	7:45 PM	8:45 PM	9:45 PM
SUNDAY	CW	7:00 AM	8:00 AM	9:00 AM	10:00 AM
	Phone	8:00 AM	9:00 AM	10:00 AM	11:00 AM
	PSK31	9:00 AM	10:00 AM	11:00 AM	12:00 Noon

Field Day Entry Submission Instructions:

Please make certain that your required summary sheet is complete with the following fields filled in:

1. **Field Day Call Used:** The callsign used by your club/group/entry. If your group used a Novice / Tech-Plus station please list that callsign in the space provided.
2. **Club or Group Name:** If your group entered as a Class A entry, please give us the name of the Club or Group. Only Class A entries will have group names listed in QST.
3. **Number of Participants:** Give the number of persons who participated in your Field Day operation. Include operators, loggers, set-up crew, and visitors.
4. **Number of Transmitters in Simultaneous Operation:** List how many transmitters were active during any 15-minute period of the Field Day event.
5. **Entry Class:** Refer to the Field Day rules for definitions.
6. **Check all power sources used:** If you used more than one source, check all that apply.
7. **Your ARRL / RAC section:** This is usually your State or Province, but if you live in one of the 8 US states that have multiple ARRL sections (California, Florida, Massachusetts, New Jersey, New York, Pennsylvania, Texas and Washington) refer to the ARRL section list.
8. **Total number of CW QSOs:** In the first blank list the number of raw non-dupe CW QSOs. Multiply the CW QSO total by 2 and enter the CW QSO point total in the second blank. Do not add the power multiplier in this field.
9. **Total number of Digital QSOs:** On the first blank list the number of raw non-dupe Digital QSOs. Multiply the Digital QSO total by 2 and enter the QSO point total in the second blank. Do not add the power multiplier in this field.
10. **Total number of Phone QSOs:** In the first blank list the number of raw non-dupe Phone QSOs. Multiply the Phone QSO total by 1 and enter the CW QSO point total in the second blank. Do not add the power multiplier in this field.
11. **Total QSO Points:** Add the CW, Digital and Phone QSO points and enter here.
12. **Power Multiplier:** Select the category that corresponds with your power multiplier. (Remember that to use the multiplier of 5, you must be running 5 watts or less and running battery power.)
13. **Enter the power multiplier** from Item 12 onto this line.
14. **Multiply line 11 times line 13 to calculate your claimed score**, exclusive of bonus points.
15. **Bonus Points Claimed:** Check each box for which you are claiming the earned Field Day bonus points. You must submit proof of each bonus points claimed or they will be disallowed. Proof for each may be in the form of photographs, copies of visitor logs, copies of press releases issued or newspaper articles printed, marked log excerpts showing Satellite and Natural power QSOs. A written statement signed by a club or group official will suffice for the Emergency Power, Public Place, Information Booth, and Site Visit bonuses. You must provide serviced copies of any messages claimed for bonus credit. A copy of the W1AW must be included with the entry submission.
16. **A club officer, authorized club representative or individual must date, and sign the Summary Sheet.** Please provide a mailing address and E-Mail address (if available) in case questions arise with the entry.

After completing the Summary Sheet, please enclose it, copies of Dupe Sheets (by band and mode), all proofs of bonus points claimed and mail to:

Field Day Entry
ARRL
225 Main Street
Newington, CT 06111

All Field Day entries must be postmarked or E-mailed within 30 days after the contest or they will be ineligible for inclusion in the Field Day report.

Question: What is the most popular amateur radio event in the US and Canada?
Answer: The ARRL Field Day

During the fourth full weekend in June, the eyes of the amateur radio community turn towards the annual Field Day operating event. From its beginning back in the 1930's as an event to test the field preparedness and emergency communications abilities of the burgeoning amateur radio community, Field Day has evolved into the largest on-the-air operation during the year. In 2000, contest logs were submitted by almost 2,100 clubs, groups and individuals across the US and Canada to the ARRL Contest Branch. These logs showed participation by over 31,000 individuals. Over 1.4 million QSOs were reported during the brief 24-hours of the contest.

Field Day is officially an operating event rather than a contest. The purpose remains today as it did in the beginning: to demonstrate the communications ability of the amateur radio community in simulated emergency situations. Groups across the continent use Field Day as a literal "show and tell" exhibition. At sites from the tundra of Alaska to the sandy beaches of Puerto Rico, amateur radio brings together its resources to show officials in government and various agencies what "amateur radio can do."

Many clubs use Field Day as the focus of their annual calendar. Many hams that are not otherwise interested in contesting or DXing find themselves meeting various challenges to help their club run a successful Field Day operation. Officially, Field Day is not a contest. But it is the thrill of the "non-contest contest" that brings out the best in thousands of amateurs who under most circumstances do not choose to participate in the various contests held by various organizations.

What makes a good Field Day? Ask that question at any hamfest and you will probably receive a different answer from each person you interview. I would offer a few basic ideas to keep in mind as you contemplate a Field Day operation.

First, and foremost, is **Field Day should be a fun activity**. Field Day serves as one of the biggest introductory "drawing cards" we offer in trying to expand interest in the hobby. A Field Day that is technical in set-up may well produce a good score. But remember that a Field Day that practices the "KISS" principle (Keep It Simple, Silly) is more likely to attract better interest and participation than one which is run like a hard-core contest.

This doesn't mean you don't do the technical planning and preparation to ensure the operation is a good demonstration of what hams can do. It does mean that you should consider having a wide-range of activities and "jobs" which will encourage participation. Yes, 15 meter CW will probably be a great way to rack up points. But make certain that there are things for the non-CW inclined members of your group to do. Standing around watching one or two operators make all the contacts is a sure-fire way to kill enthusiasm among your group.

For example, several years ago our local club put up its highest Field Day score ever. We had first-class stations and used outstanding operators on the "prime bands." They put in 18-20 hours of hard core contest-style activity. The next year our club score fell approximately in half. But the number of people who actually made a contact using the club call went from eight to thirty-six. This brings us to the second major point: **a successful Field Day is well planned.**

Planning entails a wide range of things when it comes to Field Day. But they all start at a common sense point: **set realistic goals for your group**. Plan your operation to bring out the best in your club members. If your club is primarily comprised of no-code operators, then set goals which allow their interests to be highlighted. If your club has lots of experience in various modes and operating conditions, plan a more challenging test for yourself. After all, the success in Field Day is not found in placing first in your category or finishing with "bragging rights" over your cross-town rival. Success in Field Day is measured in attaining the goals you set for your group (or yourself if you operate as an individual.)

While many people will be important to your Field Day operation, the key person during the entire experience – from selection of the site to the submission of the score – will be the Field Day Chairman. This person needs to be a good organizer with the ability to delegate responsibility. Their responsibilities are many: site selection, securing “band captains” for each transmitter, how to best utilize the operating site, helping solicit operators, equipment, computers, generators, assisting in public relations, safety issues, and much more. The Field Day Chairman needs a good working relationship with the club membership and officers. It’s also helpful if they have some previous Field Day experience. Many clubs use an experienced Field Day Chairman along with an assistant Chairman who is in “training” to assume the job the following year.

As you plan Field Day, don’t overlook the wide range of bonus points that are available. If your operating category is 3 A – meaning you have three regular stations operating completely under emergency power, you receive 300 bonus points (**100 per transmitter class.**) Are you operating in a **public place** (mall parking lot, a local park, in front of the fire department)? Don’t forget the 100 point bonus. Add in a table, some general ham radio informational handouts, and some volunteers and you have another 100 points for an **Information Booth**.

Sometimes there is some confusion as to the bonus for media publicity. Prepare a press release about your event and send it to the various local media outlets (television, radio, and newspapers). At that point you qualify for the **100 point media bonus**. While we hope the press will attend your event, their resources may not allow them to cover your event. The bonus points come from the **attempt to secure media publicity**.

Educating the state and local government officials and representatives of agencies that ARES may work with is part of the Field Day goal. **You may claim a 100-point bonus if an elected or appointed local or state governmental official or a representative of one of the agencies which we serve (such as Red Cross or Salvation Army) visits your site as a result of a direct invitation from your group.** Two things are required to earn this bonus: you must invite officials to visit the operation and one (or more) of them must visit. Maximum bonus is 100 points in this category (not 100 points per official).

Part of any real emergency will be handling formal traffic for the agencies we serve as part of our public service efforts. Field Day incorporates this into the exercise in two ways. First, an easy 100 points are earned by **originating a message from the club to your ARRL Section Manager or Section Emergency Coordinator.** The message must be transmitted during the Field Day period, so your best bet is to have some of your club’s experienced traffic handlers involved in this part of Field Day.

When you do this, also be ready to garner points for **originating, relaying, and receiving and delivering formal NTS style messages** during the Field Day operation. You can gain **up to 100 points (10 points each for 10 messages)** as well as incorporating another segment of your club into the operation. You may not include the ARRL SM/SEC message as one of these messages, since it already receives a separate bonus.

During any actual wide-scale emergency, W1AW will broadcast situation bulletins during the duration of the event. To allow groups to practice using this source of information, a 100 point bonus is available for **copying the special W1AW Field Day bulletin during the course of the event.** You must copy this special bulletin on the air during the Field Day operation. It won’t be sent out as an email or posted to an ARRL web page. It takes some planning on how to accomplish this at your Field Day site, but it is another available bonus category.

Many groups for many years have used alternative power sources other than commercial or petroleum-derivative powered generators to run part of their Field Day operation. To encourage this, an easy **100 point bonus** may be earned by **making at least five QSOs using**

a “natural power” source. Solar, wind, water power, methane or grain alcohol all qualify here. (Sorry, dry cell batteries are a no-no).

Field Day is a time of experimentation and demonstration for many hams. Two rules encourage groups and individuals to broaden their scope during the weekend. If you **complete at least one QSO via one of the amateur satellites**, you earn a 100 point bonus. The contact must be directly through the satellite between the two amateur stations, not relayed through a system that uses a satellite uplink system. A dedicated satellite station does not count as an additional transmitter towards your group's total.

Many new modes of communication are being introduced into the amateur's “bag of tricks.” To encourage this experimentation, you may earn up to an additional **300 bonus points by setting up demonstrations of a “non-traditional” mode of amateur communication**. You may earn 100 points each for up to three demonstration stations. This would include such things as APRS, ATV or one of the modes that is not covered by the three categories of QSOs – CW, digital and Phone. Be careful when you choose this mode. The digital category already includes such things as RTTY, and PSK31, so they don't qualify for the bonus. **If you wish to claim packet for this special bonus credit, you must set-up a completely portable packet system, including a portable node. You may not use existing packet networks to qualify for packet credit under this bonus, and any contacts made do not count for QSO credit.**

If your Field Day group is operating in the Class A category, and are at least reporting as a two-transmitter, you have two more ways of adding operating excitement to your event. Groups at 2A or higher may add a **dedicated Novice-Technician Plus station**. This station, which must be operated only by those holding Novice/Tech Plus licenses must use a separate Novice/Tech Plus callsign from the main club's effort (so you need to find a responsible licensee who will serve as the control operator.) This station may only operate in the novice sub-bands, using appropriate power restrictions. The QSOs which this station completes are added into the club totals. It does not count as an additional transmitter under the 100 points per transmitter bonus.

For those in your club which are more VHF/UHF oriented, any group operating as a **Class 2A or higher may also include one dedicated VHF/UHF station**. This will allow those participants to participate fully on their favorite amateur bands above 50 MHz. This dedicated VHF/UHF station does not count as an additional transmitter towards your group's total and does not qualify for the 100 points per transmitter bonus. Your group may operate more than one VHF/UHF station during the event. Those additional transmitters do count towards your club's transmitter total.

After your successful Field Day operation, what happens next? Submitting the required paperwork on time is an absolute must. **Submit your entry to the ARRL Contest Branch within 30 days of the end of the event**. Your entry begins with a **completely and accurately filled out Summary Sheet** which shows all of the information. Be careful: many of the commercial logging programs provide some basic information on your summary sheet, but leave some important things out. Your best bet is to use an official Summary Sheet. **Make certain you use the most current Summary Sheet from the ARRL, since there are changes that will affect how you claim bonus points. Make certain you complete all parts of the summary sheet.** Without your supplying us complete, accurate information, we can't print the results accurately.

The logging requirements for Field Day are different from other ARRL contests. Instead of standard log files, you are only required to submit a **Dupe Sheet, separated by band and mode**. For Field Day, paper copies of the dupe sheets are acceptable. Keep your logs available, however, in case we need to request you to submit them at a later time to clarify. **You do not have to use the Cabrillo format for Field Day, since it is a log format and only Dupe sheets are required to be submitted.**

The final part of your submission includes the various **"proofs"** of your bonus points claimed. Some of these are easy. Log sheets noted with the specific QSOs made using natural power or your satellite contacts are sufficient for those. A written statement verifying your location in a public place and a copy of your visitor's log will be fine for claiming those points. Send in a copy of your Press Release, or a copy of any newspaper or media coverage you actually receive. And send in **photographs**. Be creative with your photography. Sending in a picture of someone in a baseball cap pouring gas into a generator may be proof of use of emergency power, but probably won't be used in the QST write-up. Creative photos of operators, interesting station set-ups, participation by young people are more likely to catch the eyes of QST.

The rules require a couple of specific proofs for some of the bonus points. You need to submit a copy of the fully serviced National Traffic System message sent to your Section Manager or Section Emergency Coordinator as well as any messages relayed from your site. You also need to submit a complete copy of the special Field Day message in your submission.

A couple of hints that might help you make your event even more successful might come in handy. Remember: that while one of the purposes of the event is to have fun, you need to practice **safety** as well. Having a safety officer for the site is a good idea. Make certain antennas are safely away from power lines. Generators should be grounded properly and operated carefully. Guy wires for temporary structures or towers need to be well marked. The safety officer needs to work closely with the Field Day Chairman to ensure everyone has a safe, as well as fun time.

Make certain everyone is familiar with the Field Day rules. Some people show up and mean well, but their activities on behalf of the club may not be within the spirit of the rules. The complete Field Day rules always appear in the **May Issue of QST**. They are also found at the Contest Department's Web Page on line at: www.arrl.org/contests Also from that page you can **download the complete Field Day packet**. This packet includes copies of the official summary sheet, several other useful forms, as well as some simple information material on several aspects of Field Day. You can also receive this packet by sending an SASE with at least 3 units of postage to: Field Day Packet, ARRL, 225 Main St, Newington CT 06111.

How you organize your group for Field Day will depend on the numbers of participants and size of the operation you plan. One helpful hint is appoint an individual to head up each station /mode/ band. These "band captains" should be responsible for planning their individual station, working in conjunction with the Field Day Chairman and the other stations planned. Band captains shouldn't be expected to do it all so make certain each has plenty of help for set-up, operating and taking down the site.

If you have questions about Field Day after reviewing the rules and packet, drop an email to n1nd@arrl.org or phone (860) 594-0295 and someone in the Contest Branch will be happy to help you. Field Day is the most popular amateur radio operating event in the US and Canada. Please contact the ARRL Contest Branch if we can assist you in some way to help ensure your Field Day operation this year is the best ever!

Field Day Tips

Here are some helpful hints that ought to help you plan and set up for your Field Day operation. Although every Field Day setup is different, and everyone has a different way of doing things, these tips should at least point you in the right direction.

Safety Tips

Safety First! Follow the ARRL safety code as you set up. Appoint one person "safety officer" and charge him with making sure no accidents happen.

More people are killed by contact with regular 120-V line service than by any other voltage. The voltages in many power supplies can be lethal! Don't take any chances! Ground anything and everything. Never use "three-prong" adapters to connect your equipment to your power source.

Try to have someone always on hand that is qualified in First Aid and CPR. This is a good idea for a club project to train all your members in these valuable skills before they are needed. Contact your local Red Cross chapter for more information in your area.

Always kill all power circuits completely before opening up a piece of equipment and trying to troubleshoot it. Never allow anyone else to switch the power on and off for you while you're working on something. Never try to fix something while you're tired or sleepy. If you're working on older tube-type gear, or an amplifier, always unplug the unit from the AC mains and wait at least 5 minutes before you begin. When troubleshooting this kind of equipment, always keep one hand in your pocket, as a precaution against accidental shock. Never wear watches or jewelry when you're working on gear.

Do not climb any tower without the proper equipment: a hard hat and a climbing belt. NEVER climb an unguyed tower. NEVER work on a tower alone. Always have someone on the ground to watch you. Always make certain that all mechanical connections are tight and secure before erecting a tower or an antenna. What may be easy to fix on the ground could be dangerous in the air. When erecting a tower, take your time and be safe! It's far too easy for someone to get caught on something, or have fingers or toes in the wrong place at the wrong time. Make certain any "spectators" are a safe distance away should anything untoward happen.

Alcohol and towers do not mix! If you drink, don't climb! If you climb, don't drink!

Always make sure your guys are securely anchored, and that the guys themselves are sufficiently taut. Tying flags to guy wires in strategic spots will help prevent people from walking into them (especially visitors!). Make certain that the tower bases are secure and unlikely to shift in high winds.

Watch out for overhead power lines! Make certain they are at least twice the height of any antenna's height in distance away: an antenna 50' high should be at least 100' from any overhead line, for example.

Make certain that your group has enough fire extinguishers, and that everyone knows where they are. **Always** keep a multipurpose fire extinguisher by the generator. Never fuel a running generator. Never smoke around a generator. Keep the fuel in a separate place. Charge one or two people with the responsibility of monitoring the generators.

As a rule, generators should always be kept outdoors in an area with good air circulation. This will prevent the possibility of exhaust and gas fumes building up.

Check all your extension cords prior to setup for signs of wear or fraying. Discard any that show even the slightest wear. Guard all outlets from any water. Make sure the wire sizes are adequate enough to handle the load.

Watch out for lightning! Storms can arise and move quickly. At the first sign of a storm, disconnect all antennas from the rigs, shut down the generators, and head for shelter. You don't have to take a direct hit in order to sustain damage, or electrical shock. Summer thunderstorms are accompanied by high winds and rain. Play it safe!

Setup

Check out your operating site ahead of time. Avoid confusion on Field Day by preparing a work plan. You'll want to determine where antenna, power sources, and operating positions should be placed. Coordinate in advance the order for each task. Make sure that all essential items will be on hand when they are needed. Don't forget the essential creature comforts, such as toilet paper, flashlights, bug spray, first aid kit, etc.

Always try to have someone designated as "tour guide"; that is to say, someone to guide around any visitors who might happen by and show an interest in ham radio. This is also a good way to drum up interest in a license class. Besides, not only is this a chance to show off your hobby in a favorable light, but it is also worth some bonus points! Set up a table with some handouts about ham radio, your club, Field Day, whatever. Type up a sheet that describes

your club, the operation, and include a person to contact for more information. When giving a tour, make sure not to lapse into "ham speak": try to explain what people are looking at in as easy-to-understand language as you can.

If media comes by, make certain that something is going on. TV, radio and print journalists will be much more impressed to see antennas going up and people making contacts than they will by a group of guys sitting around drinking beer.

Many clubs "turn out the operators" by combining Field Day with family activities, such as a picnic. Others send a mailing to all their area hams with a map to the FD site along with some information. Be creative! There are likely a number of hams in your community who'd love the chance to come and help out.

Give everyone something to do. Newer hams can do 2-meter talk-ins, or help setup a Novice/Technician station, or help assemble antennas. The more people are involved, the better time you'll have. This is also a great chance to give some of your newer hams some practical experience.

Keep a handy list of ARRL section abbreviations at every operating position. This will eliminate possible confusion later on. If everyone uses the same abbreviations, you'll save yourself some headaches when it comes time to check the logs over. Make sure everyone keeps up the dupe sheets. More than one club has lost contacts by not keeping the dupe sheet up to date with the log at all times. If you have operators who have never used one, sit them down with someone beforehand to show them how it's done.

Operating

Keep an ever-constant eye on 10 meters. If 10 opens up, you should have lots of Novice/Technician stations to work. If the band is quiet, don't assume that it's dead-give a call or two. Everyone else could be listening, too!

Try to listen around on the bands the week before. This could give you a good idea of what to expect in the way of propagation during Field Day. Check your logs from previous years and see if you can spot any trends, ie hours when certain bands were open, or had a high level of activity. Certain bands in certain areas can be extremely important in working up a good score. For example, 40 meters on the East Coast is a bread and butter band for Field Day. Decide which bands are going to be the most important to your score and try to maximize your effort on them by using the best antennas possible combined with your best gear and best operators.

Don't ignore one mode for another. Many groups have concentrated on CW only to miss out on some easy phone contacts, and vice versa. Always keep in mind that every contact counts, no matter what the mode.

Read the rules very carefully. Look over the bonus points available. A number of these could be relatively easy to earn. If your club has any traffic handlers, they could easily help you earn the message origination and relay bonuses. Copy the W1AW bulletin! This is an easy 100 points. W1AW even comes on the air twice each day to give you an extra chance to copy the message. Remember! Every 100 bonus points you earn are that many QSOs you wouldn't need to make to have the same score.

On Using Computers

On-line computer logging has become the reality of contesting. Computer logging, when it works, can make operating much more enjoyable and shrink your after-contest paperwork to virtually nothing. When it doesn't work, you can have a lynch mob out for blood. Here's some handy suggestions for making everything run smoother.

Check out your software ahead of time. Make certain that it works on all the computers you'll be using. If you're using a software package that allows linking stations (ie, more than one computer tied together) make sure that they can communicate with each other before Field Day starts. Have a handy sheet available with the most commonly used commands. Some clubs even hold a meeting where everyone can sit down and familiarize themselves with the computer.

Whatever software you use should have an "autosave" feature. This allows the computer to save every QSO to disk as it happens, so that nothing is lost should the power fail. Others allow you to keep a printer on-line to provide you with a running paper tally of your contacts.

Computer logging also allows you to send your log in on disk. All you need to send in is your paper summary sheet, your proof of bonus points, and a disk with your dupe sheets on it. The disk must be MS-DOS formatted, with the information in ASCII format. This can save you hours of work, as well as postal expenses.

Field Day Tips for 30 MHz and Above

By Steve Ford, WB8IMY, Managing Editor, QST

When most hams think of Field Day, they automatically envision a stampede of activity on the HF bands. While this may be true, there is a potential gold mine of contact points on the bands above 30 MHz.

CW/SSB

You will find the greatest amount of CW and SSB activity on the 6 and 2 meter bands. On 6 meters, CW/SSB stations tend to gather around 50.125 MHz and above. The popular hangout on 2 meters is centered around 144.200 MHz.

If propagation is especially good, 6 meters can burst wide open and yield contacts spanning several thousand miles. During Field Day weekend, you can usually count on average conditions with a range of up to 200 miles on 2 meters and 400 to 500 miles on the 6-meter band. However, be on the lookout for propagation enhancements such as sporadic E. During a good sporadic E opening, you'll work stations 1500 miles away, if not farther. You'll also find some CW and SSB activity on the higher bands such as 222 and 420 MHz. If you are strapped for equipment, however, concentrate your resources on 6 and 2 meters. For CW/SSB operating, beam antennas are your best bet—the more elements the better. Make sure your antennas are horizontally polarized (the antenna elements must be parallel to the ground.) Horizontal polarization is the CW/SSB custom. The penalty for using the wrong polarization is a tremendous loss of received signal strength.

FM

For Field Day operating, FM is probably the easiest VHF mode to implement. You'll have little trouble finding FM rigs to use; even an H-T can make a fine Field Day rig. FM doesn't have the range of CW or SSB, but it is the most popular communications mode on the VHF and UHF bands. You'll find the greatest amount of FM simplex activity on the 2-meter band, although 6 meter FM may be worth a try as well. Remember that Field Day rules prohibit the use of repeaters. This means you'll have to hunt for contacts on the recognized simplex frequencies.

Unlike CW and SSB, most FM operators use vertically polarized antennas. To maximize your signal coverage, you'll want to use vertical polarization, too. A small beam antenna mounted in the vertical-polarity position (elements perpendicular to the ground) is one suggestion. An alternative is a simple omni-directional antenna such as a ground plane. Since most of your contacts will be local, an omni-directional antenna may be nearly as effective as a beam.

SATELLITES

Among the most active satellites during Field Day—and among the easiest to use—are the Radio Sputnik birds: RS-13, RS-15 and if it is available AO-10. To make contacts through RS-13 and RS-15 you will need a 2 meter CW/SSB transceiver with 20 to 30 watts output and a 10 meter receiver. You can use a small beam antenna for the 2 meter uplink and a wire dipole for the 10 meter downlink. All of these satellites should make several good passes near your location during Field Day weekend. Each pass lasts about 15 minutes. You can determine the best times in advance by using a satellite tracking software program. Just write down the schedule times and you are all set.

Radio Sputnik Frequencies:	Uplink Passband	Downlink Passband
RS-13	145.960 – 146.000	29.460 – 29.500
RS-15	145.858 – 145.898	29.354 – 29.394

Have a dual band VHF/UHF FM rig that can receive below 437 MHz? Try AO-27, UO-14 & SO-35, FM repeater satellites.

Satellite	AO-27	UO-14	SO-35
Time	Transmit	Receive	TransmitReceive TransmitReceive
AOS (start)	145.850 436.805	145.975 435.080	436.280 145.830
AOS+3 Minutes	145.850 436.800	145.975 435.075	436.285 145.830
Zenith (maximum)	145.850 436.795	145.975 435.070	436.290 145.825
Zenith+1 Minute	145.855 436.790	145.980 435.065	436.295 145.825
LOS (end)	145.855 436.785	145.980 435.060	436.300 145.825

If you can transmit SSB on 2 meters and receive on 70 cm, try OSCARs 20 and 29. Neither satellite is particularly active, even on Field Day, but they have excellent range and solid signals.

Fuji-OSCAR 20	145.900 – 146.000	435.800 – 435.900
Fuji-OSCAR 29	145.900 – 146.000	435.800 – 435.900

Some Final Considerations

When it comes to VHF/UHF operating, antenna height is everything (the only exception is satellite operation). To make the most of your VHF/UHF capability, you'll need to mount your antennas on portable supports or select a hill or mountain for your Field Day site. Feed line loss is substantial at VHF and UHF, so use the best coaxial cable you can find. If you exploit the VHF/UHF bands to their full potential, you'll be surprised at how many points you'll add to your score. And if the HF bands are dear, VHF and UHF may save the day!

The Four Steps Toward Successful Field Day Press Releases

By Jim Mulvey, KS1A, EMA Public Information Officer

When last year's local club's Field Day publicity didn't make it into the newspaper, the Publicity Chairman couldn't understand why! After all, he wrote a press release and mailed it with plenty of time to spare. Still, it was passed by. Why? Because there are very specific steps you must follow to ensure that:

1. The right person actually reads your release. (Most are thrown out after a quick look.)
2. They print it.

Step 1. Know what you're up against.

First, the old days of the spartan "just the facts" press release are over. At one time, all you needed to do was a straightforward "who, what, where, when and why" in the first paragraph with no editorializing. It's still being taught that way in journalism school, but it's not the way it's done in the real world!

Step 2. Understand that the biggest problem is having your release tossed in the trash.

At every media outlet (newspapers, television, and radio stations) there is one person who opens the press release mail. They can get a ton of releases every week; they are gathered up and opened by hand one by one, and unfortunately, they are almost all fluff from companies announcing the upgrade of a new improved food container, (yawn). The person must make a quick decision as to the importance of each one. He only reads the first paragraph, and he's usually standing over a wastebasket. Get the picture?

You must make sure the release is of interest to the readers. If you're town paper is the Billerica News, then make sure that "Billerica Radio Amateurs" are mentioned prominently! You must catch the person's attention with the first couple of lines in your release or out it goes! Worse, the person who opens the release may make a decision based upon what your envelope looks like. If it's very amateurish-looking, you may not even get a serious first glance. When writing the release, walk the fine line between making it exciting and keeping it factual. See the examples provided.

Step 3. Delivering your release to its target.

We've included a sample news release for you to "customize" for local consumption. We've also included a "media advisory." We recommend sending both. A good way to get them thrown away is to just drop them in an envelope and mail to your media outlet. That's not enough! Call the station or newspaper and ask for the city editor or assignment editor (for radio and TV). Get a name. Then, ask for the fax number.

Fax it to them! The fax is the fastest way to cut through the protective layers a company uses against their telephone and mail. A fax will get right through. Send your release a week in advance.

BINGO! The right person now has your release. It's separated from the usual pack; now you have a very good chance of getting the publicity you want and need. Resend everything the day before the event.

Step 4. The Closer.

Include a contact telephone number. We've actually had newspapers call us back and ask to do a full story on the club! Getting publicity is more of an art than a science. It's important to remember that just writing and sending it isn't enough. Follow the steps, sound friendly but confident, don't try to come off as if you're promoting something as important as a medical breakthrough, and be sure to mention that the site looks great for cameras and photographers. Follow through, and you just may score with every release you send.

- 1) **Modify this media advisory to suit your local event**
- 2) **Submit to local newspapers, radio and television news rooms one week in advance of Field Day.**

FOR MORE INFORMATION CONTACT:

Joe Dokes
Anytown Amateur Radio Society
123 Common Place
Anytown, State
Phone: 555-555-5555

FOR IMMEDIATE RELEASE

NEWS SUMMARY: (Community name) Hams Gear Up to Set Long Distance Contact Records and Practice Emergency Communication Skills
(ANYTOWN, June xx, 1998) — Hundreds of (Anytown) Amateur Radio operators will work 'round the clock this weekend to set up field radio communication stations, get on the air, and contact thousands of other operators in the US and Canada as part of participation in the American Radio Relay League's Field Day.

According to (name), President of the (Anytown) Amateur Radio Society, Field Day is the annual "shakedown run" for the ARRL's National Field Organization.

"Field Day is a way for hams to get outdoors and have fun under some difficult conditions," (name) says. "But it's also a chance to fine-tune emergency communication skills. We use generators and battery power, and we set up antennas in the field. The idea is to put together a self-sufficient, working station quickly and begin making contacts."

The ARRL Field Organization has been effective in establishing emergency communications nets during floods, hurricanes, fires, earthquakes and other major disasters. Members of formal emergency organizations such as the Amateur Radio Emergency Service (ARES) and the Radio Amateur Communication Emergency Services (RACES) regularly participate. The League estimates that more than 35,000 hams participate in Field Day every year.

(Anytown's) Field Day operations will be at (site). Set up begins at (time and date). The public is invited. For more information, contact (name and telephone number).

SUMMARY: (Town) Amateur Radio operators to contact thousands of other hams throughout North America in the nation's largest ham radio on-air event.

WHO: Licensed Amateur Radio Operators in (town).

WHAT: Hams will set up and operate field radio stations to contact other hams throughout the US and Canada over 24 hours. Objective is to see who can make the highest number of contacts during the contest period.

WHERE: (Site)

WHEN: (Date)

WHY: Participation in the American Radio Relay League's Field Day. Amateur Radio operators practice communication skills under primitive conditions, with generator and battery-powered equipment and portable antennas. Special awards are given for "alternative" power sources such as solar, wind and methane. Field Day is a competition as well as a "trial run" for emergency communication skills used during disaster situations.

Photo opportunities, interviews, activities of local participants in important national Amateur Radio event. See all Amateur Radio communication modes in action, including voice, code, packet radio, teletype, and satellite.

CONTACT: (Name and phone number of local contact)

Field Day Traffic Handling

By Dan Henderson, N1ND ARRL Contest Branch Manager

There is an easy way to garner up to 100 bonus points in Field Day. It is also an excellent method of demonstrating Amateur Radio's formal communication ability. All you have to do is have your Field Day team handle 10 formal National Traffic System (NTS) messages during the Field Day period.

NTS messages are among the most important means of communication that Amateur Radio handles during emergencies. Every ham operator, especially ARES members should know how to properly format and pass formal traffic. Whether they are formal requests for supplies from a served agency to emergency management officials, or situation updates between branches of the same agency, in an emergency these formal messages are at the heart of performing our role of support communications to local, state and national officials and agencies. They are emphasized during Field Day, so that we will all know the standard format and style in which they are exchanged.

Your group will earn its 100-bonus points by Originating, Relaying or Delivering ten different messages during the Field Day period (ten points per message, up to ten messages handled.) These messages must be handled during the Field Day period. You may pass them on local, state or regional HF or VHF traffic nets, via the packet network, or when in contact with other amateurs willing to assist you in handling the traffic. Many local groups assign one of their HF stations to check-in to the state or local traffic or emergency net at the appropriate time during the Field Day period, as that provides a central clearing house for routing messages, just as would occur during an actual emergency.

The messages generated during the Field Day for bonus credit do not have to be addressed to a state or local official (though in doing so you may help them become more aware of our message-handling network.) Some groups will address formal traffic to other clubs or have visitors prepare messages to their friends and families. The key to remember is that all of the Field Day messages must be in standard ARRL NTS format. A sample NTS message is found in this packet. Also you can download a wide variety of NTS forms and information material from <http://www.arrl.org/FandES/field/forms/>

You say you have never handled formal traffic before? Ask around your club. We bet it won't take too long to locate a member with traffic handling experience. Or contact Steve Ewald, Emergency Communications Specialist at the ARRL at wv1x@arrl.org if you need specific questions answered.

Formal NTS style traffic plays a big role during an actual emergency. Use this bonus to help your club achieve additional points for the Field Day efforts as well as to hone your skills for this key part of emergency communications.

Sample Field Day National Traffic System Message

Number	Precedence	HX	Stn of Origin	Check	Place of Origin	Time Filed	Date
1	R	E	W1AW	24	Newington CT	2300 UTC	June 23

TO: Jane Q Public W1IINF
ARRL CT Section Manager
225 Main Street
Newington, CT 06111
Telephone: (860) 594-0200

ARRL Headquarters amateur operators are
participating in 2001 Field Day
from W1AW x 25 amateurs
and 34 others have visited
the site x 73

Signature: John Q. Ham W1AW Field Day Chairman

A. Sequential Message Number

B. Handling Precedence

C. Handling Instructions (HX)

D. Call Sign of Originating Station

E. Check

F. Place of Origin

G. Time Originated

H. Date

I. Full Name and Address or Recipient with phone number

J. Text of message (total number of words and breaks (X-rays) are included in Check)

K. Signature

Who's in Control of Your Field Day Station?

By John Hennessee, N1KB, ARRL Regulatory Information Specialist

About a month or so before Field Day, ARRL is inundated with questions about FCC rules as they apply to Field Day. Of course, every station must have a control operator (97.103). You normally operate your own station, but on Field Day, you often operate using someone else's station. You, the licensee, are responsible for all transmissions from your station. During Field Day, many amateurs often use a single call sign, so the station licensee must designate a control operator(s). Both the station licensee and the control operator are equally responsible for all transmissions (97.103(a) and (b)). When you, the station licensee, designate others as control operators, you should make a note in the log. You are no longer required to carry a photocopy of your license whenever you are the control operator of a station, but it's still a good idea. For a detailed look at this topic, see *The FCC Rule Book* (available from HQ).

Q. My call is being used for Field Day, but I can't be at the station for the duration of the contest. (I like sleeping in my air-conditioned house, even during Field Day.) Do we have to take the transmitter off the air when I am not present?

A. No, because your appointed control operator should fulfill your duties as the station licensee. In fact, you don't have to be there at all, but you must make sure that your appointed control operator is capable of carrying out your wishes (97.103(b) and 97.105).

Q. Can KA1UFZ, a Novice, operate the station of NUØX, an Extra Class operator, during Field Day and can she operate in the Extra class segment even though she holds a Novice class license?

A. The answer is "yes" to both of these questions, but a control operator must be on duty whenever she operates outside of her Novice class privileges using the call of NUØX. FCC rules state that "A control operator must ensure the immediate proper operation of the station..." (97.105(a)). The rules go on to say, "A station may only be operated in the manner and to the extent permitted by the privileges authorized for the class of operator license held by the control operator" (97.105(b)).

Q. I am an Extra class licensee, but I am going to use a Novice class operator's station and call sign during Field Day. Can I legally operate her station and use her call outside the Novice subbands?

A. You, the Extra, can be designated as the control operator. If you are authorized by the licensee, you may use the call sign of the Novice class licensee and operate only within the Novice class privileges. However, if an Extra Class control operator wants to operate outside the Novice class operator privileges, he may do so, but he must identify by appending his call to that of the Novice, such as signing "KA1UFZ/NUØX" on CW or separating the calls by the word "stroke" on phone (97.105(a) and (b), 97.119(d)). True, this is a long identification procedure, but it is the only way to identify in this case. Why would an Extra want to use a Novice call, you ask. Well, that may not always be the case, but it clearly illustrates the point.

Q. What about a club station call sign that has a General class trustee? There are lots of Extra Class amateurs in our club. Can we go outside the General class subbands using the club call?

A. Yes, but only if you append your Extra Class call to that of the club call as stated in the previous question, and provide a duly licensed control operator who is willing to provide the control operator functions. Remember that the club station trustee and the control operator share responsibility. If the club station trustee doesn't have Extra Class privileges, he can't assume responsibility outside his General class operator privileges.

Q. Are there any exceptions to the FCC rules for Field Day?

A. No, all FCC rules apply 365 days a year. Of course, Field Day participants must also observe additional Field Day rules as set forth by the ARRL.

Q. During Field Day, members of the public wander through as we operate. Many times, these unlicensed individuals want to operate. Can they legally operate our Field Day station?

A. Yes, but only a licensed amateur is eligible to be the control operator, and obviously an unlicensed person can't be the control operator of an amateur station, but they may participate. In cases when a third party is participating, the control operator must be present at the control point and must be continuously monitoring and supervising the third party's participation. Third parties may only communicate directly with countries with which the US has signed third-party agreements (97.115(a) and (b)). The FCC doesn't expect us to carry *The FCC Rule Book* along on Field Day, but they do expect us all to abide by the rules at all times. It is the hope of the ARRL that everyone will do lots of operating during Field Day, demonstrate Amateur Radio to the public, practice our emergency communications capabilities, eat lots of good Field Day cooking and most of all, have a good time doing it.

ARRL / RAC Contest Section Abbreviation List

<u>1</u>			
Connecticut	CT	Rhode Island	RI
Eastern Massachusetts	EMA	Vermont	VT
Maine	ME	Western Massachusetts	WMA
New Hampshire	NH		
<u>2</u>			
Eastern New York	ENY	Northern New York	NNY
NYC / Long Island	NLI	Southern New Jersey	SNJ
Northern New Jersey	NNJ	Western New York	WNY
<u>3</u>			
Delaware	DE	Maryland – DC	MDC
Eastern Pennsylvania	EPA	Western Pennsylvania	WPA
<u>4</u>			
Alabama	AL	Southern Florida	SFL
Georgia	GA	Tennessee	TN
Kentucky	KY	Virginia	VA
North Carolina	NC	West Central Florida	WCF
Northern Florida	NFL	Puerto Rico	PR
South Carolina	SC	Virgin Islands	VI
<u>5</u>			
Arkansas	AR	North Texas	NTX
Louisiana	LA	Oklahoma	OK
Mississippi	MS	South Texas	STX
New Mexico	NM	West Texas	WTX
<u>6</u>			
East Bay	EB	San Diego	SDG
Los Angeles	LAX	San Francisco	SF
Orange	ORG	San Joaquin Valley	SJV
Santa Barbara	SB	Sacramento Valley	SV
Santa Clara Valley	SCV	Pacific	PAC
<u>7</u>			
Alaska	AK	Nevada	NV
Arizona	AZ	Oregon	OR
Eastern Washington	EWA	Utah	UT
Idaho	ID	Western Washington	WWA
Montana	MT	Wyoming	WY
<u>8</u>			
Michigan	MI	West Virginia	WV
Ohio	OH		
<u>9</u>			
Illinois	IL	Wisconsin	WI
Indiana	IN		
<u>0</u>			
Colorado	CO	Missouri	MO
Iowa	IA	Nebraska	NE
Kansas	KS	North Dakota	ND
Minnesota	MN	South Dakota	SD
<u>Canada</u>			
Maritime	MAR	Saskatchewan	SK
Newfoundland/Labrador	NL	Alberta	AB
Quebec	QC	British Columbia	BC
Ontario	ON	Northwest Territories/ Yukon/Nunavut	NWT
Manitoba	MB		